



# B

## Wire identification



**B1 - Code marker cards**

**B1/1** SES code marker cards **E8**

**B1/2** SES code marker cards **E14**

**B1/3** SES code marker cards **E19**

**B1/4** SES code marker cards **E38**

**B1/5** SES code marker cards **E92**

**B1/7** SES code marker cards **EV, EV** permanent marker pen

**B1/9** SES code marker books

**B1/9** SES code marker sheets, **LASER** printable

**B1/10** Protective film for SES code markers

**B2 - Code marker label cards**

**B2/1** S 9 code marker cards with **SPOT-IT** labels

**B2/2** S 13 code marker cards with **SPOT-IT** labels

**B2/3** S 19 code marker cards with **SPOT-IT** labels

**B2/4** S 38 code marker cards with **SPOT-IT** labels

**B2/5** S 58 code marker cards with **SPOT-IT** labels

**B2/6** S 92 code marker cards with **SPOT-IT** labels

**B2/7** Special code marker cards with **SPOT-IT** labels

**B2/8** SES code marker strips with **MYLAR** labels

**B3 - Code marker cards for fluid pipes**  
**B4 - Code marker strips**

**B3/1** SES code marker cards for fluid pipes on **aircrafts**

**B4/1** **SES-MARKERS** cassettes

**B5 - PLIOGRAPH marker system**

**B5/1** **PLIOGRAPH<sup>plus</sup>** & **PLIOGRAPH<sup>2000</sup>** wire markers

**LMB** labels for carriers. **LASER** printable

**B5/2** **PLIOGRAPH<sup>plus</sup>** carriers

**B5/3** Mounting and removing tool

**B5/4** Combs and carriers to prepare markers

**B5/5** **PLIOGRAPH<sup>plus</sup>**, **PLIOGRAPH<sup>2000</sup>** & **PLIOBOX** toolkit

**B6 - Rubber wire markers**

**B6/1** **HELAVIA-TWIN + LASER-ONE** markers in pre-cut strings

**B6/2** **HELAVIA-RELIEF** raised surface wire markers

**B6/3** **SILAVIA-TWIN + LASER-ONE** markers in pre-cut strings

**B7 - Plastic PLIO<sup>®</sup> wire markers**

**B7/1** **PLIO-V-MARKERS** in pre-cut form

**B7/2** **PLIO M-MARKERS**

**B7/3** Carrier marker system

**B7/4** **PLIOTEX-V<sup>plus</sup>** markers in pre-cut form

**B7/5** **PLIOFAST** marker system

**B7/6** **OPTO-MARKERS** TC marker system

**B8 - Identification systems**

**B8/1** **PLIOGRIP** identification system

**B8/2** **PLIOSNAP<sup>plus</sup>** markers

**B8/3** **PLIO-CLIP** markers

**B9 - Markers**

**B9/1** **HELAVIA-TWIN** markers

**B9/2** **SILAVIA-TWIN** silicone markers

**B9/3** **PLIO** PVC-based markers

**B9/4** **PLIOFINE** and **PLIO-R** heat shrinkable markers black special print

**B10 - Various markers special print**

**B10/1** Rigid insulating and identification markers **ER & EC**

**B10/2** Printed boots for standard crimp terminals

**B11 - Printed carriers with indelible marking**

**B11/1** Printed carriers **PLIO LASER** marking

**B11/2** **Laser engraved or embossed INOX** strips

**B12 - Label holders**

**B12/1** Carriers, labels and marking labels, **LASER** printed

**B12/4** **FB** strapping label holder for tubes and cables

**B12/5** **PROTECTOR SES** label holders

**B12/6** **PLIO** label holders

**B12/8** **PLIOMARK** labels **MINI**

**B12/9** **PLIOMARK** labels **MAXI**

**B12/10** **PLIOMARK** abels in stainless steel **MINOX**

**B13 - Printing devices**

**B13/1** Mobil hot printing unit **SES-LOEPFE**

**B13/2** Bench printing units **SES-LOEPFE**

**B13/5** **SES-PREMO** cold printing press

**B13/21** Tube printer **PLIOSCRIB M-1 Pro**

**GROUP B: Marking system**



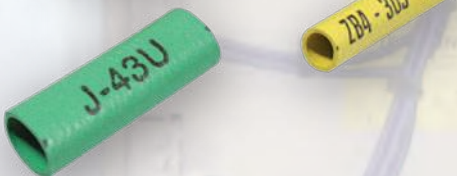
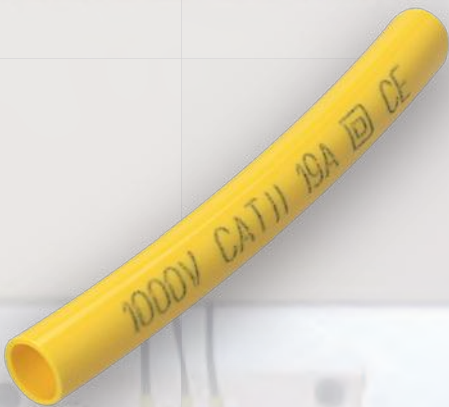




# Featured marking

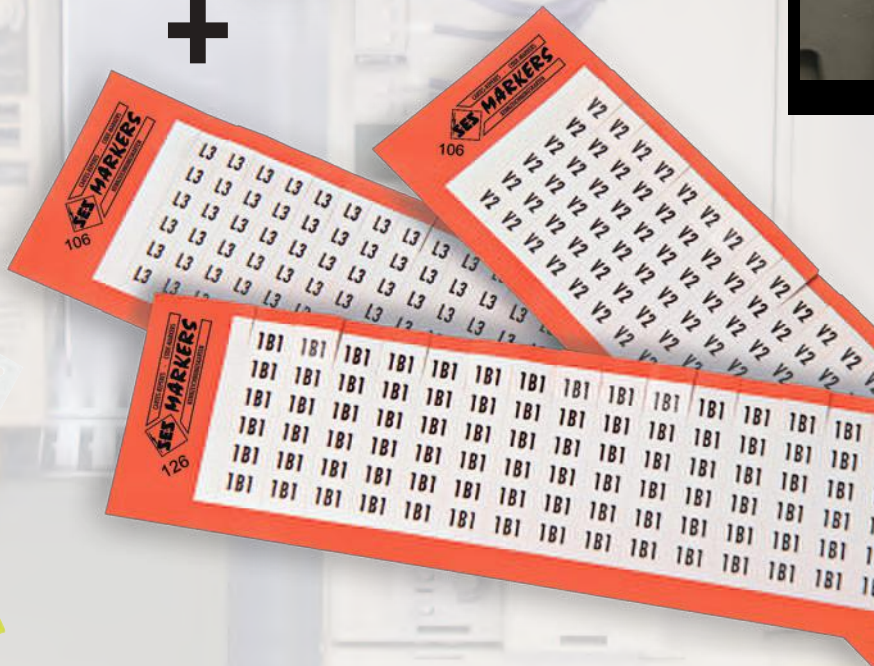
SES-STERLING, manufacturer and specialist for cable identification.

From letterpress printing to laser printing, via thermal transfer, inkjet printing and hot-printing, SES-STERLING specializes in marking on different types of products, for personal identification of your installation.



+

+





# Featured marking

Examples of identified products



Printed carriers



SES-QUICK cable ties



Sleeves



Heat shrinkable sleeving



Code marker cards



INOX carriers

Please contact our technical services.

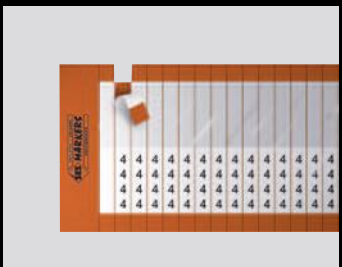
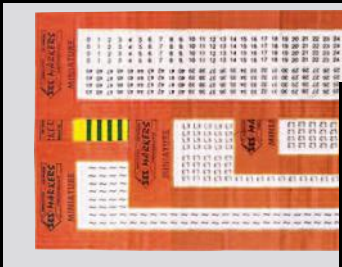






# B1

## Code marker cards



MASSE MASSE MASSE MASSE MASSE MASSE MASSE  
MASSE MASSE MASSE MASSE MASSE MASSE MASSE



The standard quality of the TEV material used in SES code marker strips results from several years of research in collaboration with domestic and foreign users. It consists of cotton protected by a special transparent film yielding excellent properties with regard to ageing, marking and legibility. Quality is permanently controlled and adapted to latest technical requirements.

The printed reference marks are protected by a varnish which gives them a good friction resistance, with various dust or deposits, like with certain chemical substances. Special cards EV are provided with a self-protection thanks to the covering of their impression by the transparent part of the ribbon.

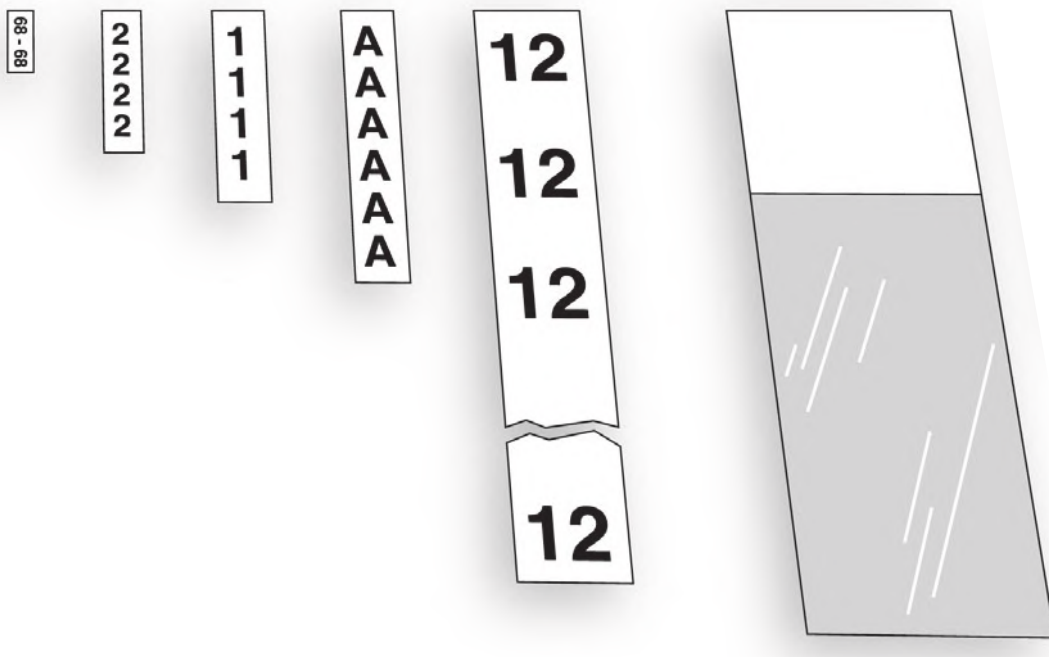
With more than 5000 types of standard reference marks, SES-MARKERS cards allow a location before or after wiring or connection.

Ideal for work of maintenance and the repair of electric wiring. SES-MARKERS code markers are a European product manufactured by SES-STERLING.

• **Product information:**

|                              |           |                      |                      |                                 |                      |  |                        |
|------------------------------|-----------|----------------------|----------------------|---------------------------------|----------------------|--|------------------------|
| page                         | B1/1      | B1/2                 | B1/3                 | B1/4                            | B1/5                 |  | B1/7                   |
| type                         | <b>E8</b> | <b>E14</b>           | <b>E19</b>           | <b>E38</b>                      | <b>E92</b>           |  | <b>EV</b><br>unprinted |
| standard colour of the strip | white     | white yellow colours | white yellow colours | white yellow colours            | white yellow colours |  | white                  |
| length of the strip (mm)*    | 8<br>12   | 14                   | 19                   | 38                              | 92                   |  | 75<br>112,5<br>225     |
| width of the strip (mm)*     | 3         | 4,5 - 6<br>7,5       | 6 - 7<br>9 - 11      | 6 - 7 - 9<br>11 - 14<br>16 - 18 | 12 - 14 - 20         |  | 25 - 37,5              |
| for cable (mm)               | Ø < 2,5   | Ø < 4                | Ø < 6                | Ø < 12                          | Ø < 28               |  | Ø 16 - 28 - 64*        |

\* according to the model.

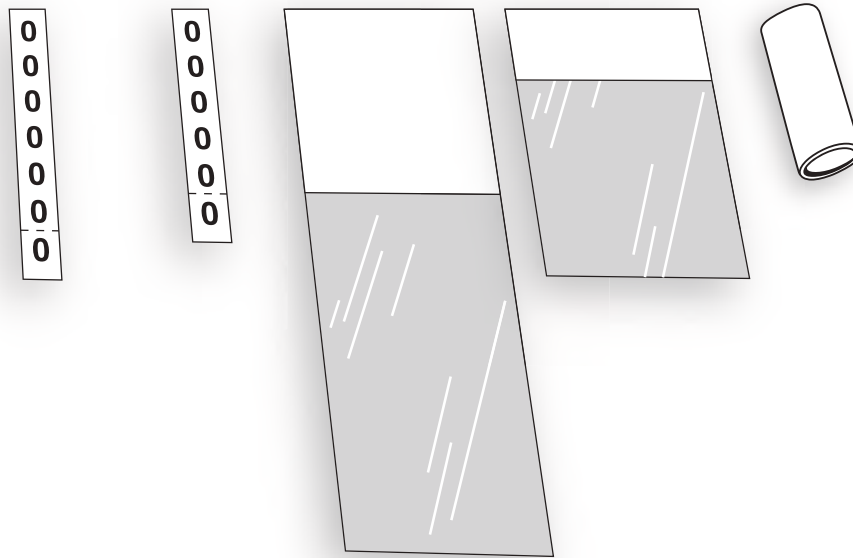






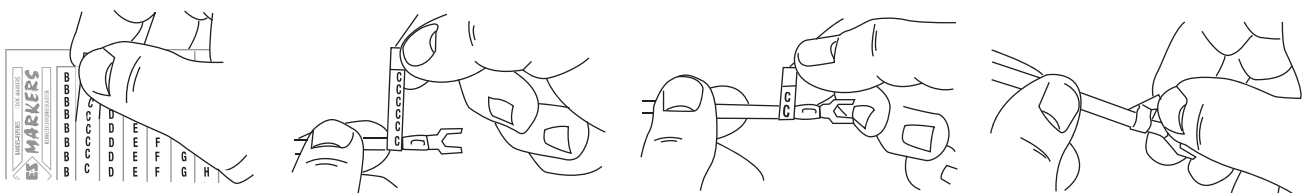
|                           |                   |                    |                    |                         |                               |  |         |
|---------------------------|-------------------|--------------------|--------------------|-------------------------|-------------------------------|--|---------|
| page                      | B1/9              |                    |                    |                         |                               |  | B1/10   |
| type                      | book<br><b>SM</b> | book<br><b>SMR</b> | book<br><b>TAB</b> | sheets<br><b>SES-EV</b> | sheets<br><b>SES-EV laser</b> | marking sleeves<br><b>M-MARKERS</b>    | Varnish |
| colour of the strip       | white             | white              | white              | white                   | white - yellow                | white                                  | -       |
| length of the strip (mm)* | 38                | 32,5               | 75 - 150 - 230     | 38 - 75<br>150 - 230    | 35,5 - 142                    | length:<br>30 mm                       |         |
| width of the strip (mm)*  | 5                 | 5 - 7,5 - 10,5     | 25                 | 23 - 25<br>46 - 50      | 25 - 50                       | sections:<br>1,5 to 16 mm <sup>2</sup> |         |
| for cable (mm)            | Ø < 12            | Ø < 9,5            | Ø 8 to 63          | Ø 3 to 63               | Ø 7 to 36                     | Ø 2,8 to 7,9                           |         |

\* according to model.



• **Specification of the code marker cards:**

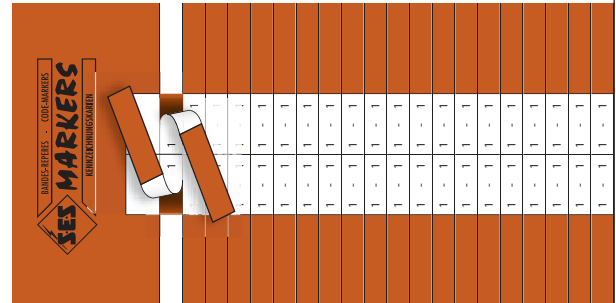
Each strip is provided with a break-off tab that prevents touching the adhesive with consequent loss of adhesion.



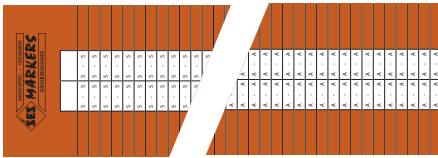
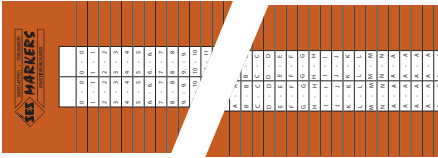
**E 8**

**Material:** TEV vinyle covered cotton  
**Operating temperatures:** -30 to +105°C (class A)  
 -40 to +150°C (short duration)  
**Temperatures of application:** +10 to +40°C  
**Adhesive:** special thermal setting adhesive  
**Adherence on steel:** 2,5 N/cm  
**Tensile strength at break:** 80 N/cm  
  
**Dimension of the card:** 255 x 30 or 40 mm  
**Print height:** 1,6 mm  
  
**Strip number:** 150 to 156 strips  
**Strip width:** 3 mm  
**Strip length:** 8 and 12 mm (for wires up to Ø 2,5 mm)  
**Strip thickness:** 0,30 mm  
**Standard colour:** white  
  
**Pack:** 10 cards same legend (for smaller quantities an extra charge will be applied).

**Ø < 2,5 mm**



**• Product information**

| Figures and letters repeated  | Figures and letters in series  |
|---|--|
|  |  |





**Article number**

Example for order:  
E8 white strip - legend M

Ø < 2,5 mm

| code group | detail article | code colour | code legend |
|------------|----------------|-------------|-------------|
| 0:3:0:1    | 0:0:1:0        | 0:0:1       | x:x:x:x     |

|         |         |       |   |
|---------|---------|-------|---|
| 0:3:0:1 | 0:0:1:0 | 0:0:1 | M |
|---------|---------|-------|---|

| legend    | code legend | number strips /card | legend   | code legend | number strips /card | legend          | code legend | number strips /card |
|-----------|-------------|---------------------|----------|-------------|---------------------|-----------------|-------------|---------------------|
| <b>0</b>  | 0           | 150                 | <b>A</b> | A           | 150                 | <b>0 → 74</b>   | S74         | 150                 |
| <b>1</b>  | 1           | 150                 | <b>B</b> | B           | 150                 | <b>75 → 149</b> | S149        | 150                 |
| <b>2</b>  | 2           | 150                 | <b>C</b> | C           | 150                 | <b>A → Z</b>    | A-Z         | 156                 |
| <b>3</b>  | 3           | 150                 | <b>D</b> | D           | 150                 |                 |             |                     |
| <b>4</b>  | 4           | 150                 | <b>E</b> | E           | 150                 |                 |             |                     |
| <b>5</b>  | 5           | 150                 | <b>F</b> | F           | 150                 |                 |             |                     |
| <b>6.</b> | 6           | 150                 | <b>G</b> | G           | 150                 |                 |             |                     |
| <b>7</b>  | 7           | 150                 | <b>H</b> | H           | 150                 |                 |             |                     |
| <b>8</b>  | 8           | 150                 | <b>I</b> | I           | 150                 |                 |             |                     |
| <b>9.</b> | 9           | 150                 | <b>J</b> | J           | 150                 |                 |             |                     |
| <b>10</b> | 10          | 150                 | <b>K</b> | K           | 150                 |                 |             |                     |
| <b>11</b> | 11          | 150                 | <b>L</b> | L           | 150                 |                 |             |                     |
| <b>12</b> | 12          | 150                 | <b>M</b> | M           | 150                 |                 |             |                     |
| <b>13</b> | 13          | 150                 | <b>N</b> | N           | 150                 |                 |             |                     |
| <b>14</b> | 14          | 150                 | <b>O</b> | O           | 150                 |                 |             |                     |
| <b>15</b> | 15          | 150                 | <b>P</b> | P           | 150                 |                 |             |                     |
| <b>16</b> | 16          | 150                 | <b>Q</b> | Q           | 150                 |                 |             |                     |
| <b>17</b> | 17          | 150                 | <b>R</b> | R           | 150                 |                 |             |                     |
| <b>18</b> | 18          | 150                 | <b>S</b> | S           | 150                 |                 |             |                     |
| <b>19</b> | 19          | 150                 | <b>T</b> | T           | 150                 |                 |             |                     |
| <b>20</b> | 20          | 150                 | <b>U</b> | U           | 150                 |                 |             |                     |
|           |             |                     | <b>V</b> | V           | 150                 |                 |             |                     |
|           |             |                     | <b>W</b> | W           | 150                 |                 |             |                     |
|           |             |                     | <b>X</b> | X           | 150                 |                 |             |                     |
|           |             |                     | <b>Y</b> | Y           | 150                 |                 |             |                     |
|           |             |                     | <b>Z</b> | Z           | 150                 |                 |             |                     |

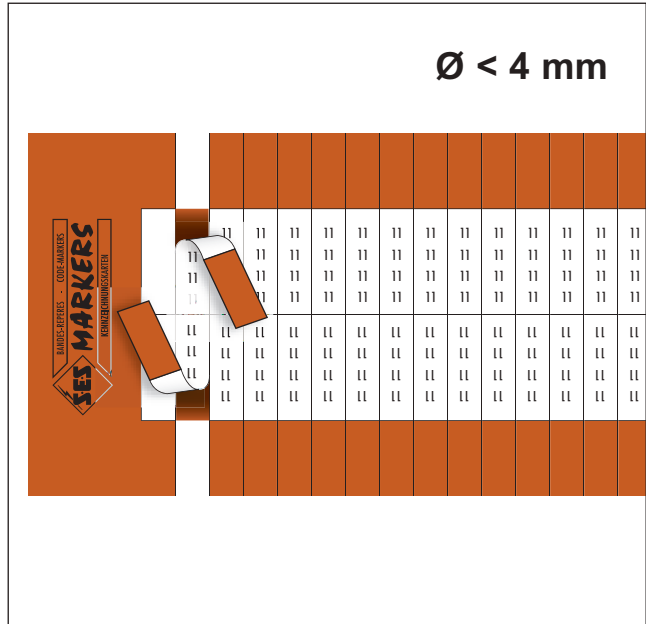
Other legends upon request with a minimum of order of 10 cards.





**E 14**

**Material:** TEV vinyl covered cotton  
**Operating temperatures:** -30 to +105°C (class A)  
 -40 to +150°C (short duration)  
**Temperature of application:** +10 to +40°C  
**Adhesive:** special thermal setting adhesive  
**Adherence on steel:** 2,5 N/cm  
**Tensile strength:** 80 N/cm  
  
**Dimension of the card:** 255 x 48 mm  
**Print height:** 1,8 mm  
  
**Strip number:** 60 to 104 strips  
**Strip width:** 4,5 to 7,5 mm  
**Strip length:** 14 mm (for wires up to Ø 4 mm)  
**Strip thickness:** 0,30 mm  
**Standard colours:** white - yellow  
  
**Pack:** 10 cards same legend (for smaller quantities an extra charge will be applied).



• **Product information**

|                                     |                                      |
|-------------------------------------|--------------------------------------|
| <p>Figures and letters repeated</p> | <p>Figures and letters in series</p> |
|                                     |                                      |

|                         |                         |                       |
|-------------------------|-------------------------|-----------------------|
| <p>Symbols repeated</p> | <p>Voltage repeated</p> | <p>Coloured cards</p> |
|                         |                         |                       |







Article number white strip

| code group | detail article | code colour | code legend |
|------------|----------------|-------------|-------------|
| 0301       | 0009           | 001         | x x x x     |

Article number yellow strip

| code group | detail article | code colour | code legend |
|------------|----------------|-------------|-------------|
| 0301       | 0009           | 004         | x x x x     |

Example for order:

E14 white strip - legend 34

|      |      |     |    |
|------|------|-----|----|
| 0301 | 0009 | 001 | 34 |
|------|------|-----|----|

∅ < 4 mm

E14 yellow strip - legend 0 → 49

|      |      |     |     |
|------|------|-----|-----|
| 0301 | 0009 | 004 | S49 |
|------|------|-----|-----|

| legend    | code legend | number strips /card | legend | code legend | number strips /card | legend | code legend | number strips /card | legend | code legend | number strips /card |
|-----------|-------------|---------------------|--------|-------------|---------------------|--------|-------------|---------------------|--------|-------------|---------------------|
| 0         | 0           | 100                 | 34     | 34          | 100                 | 68     | 68          | 100                 | A      | A           | 100                 |
| 1         | 1           | 100                 | 35     | 35          | 100                 | 69     | 69          | 100                 | B      | B           | 100                 |
| 2         | 2           | 100                 | 36     | 36          | 100                 | 70     | 70          | 100                 | C      | C           | 100                 |
| 3         | 3           | 100                 | 37     | 37          | 100                 | 71     | 71          | 100                 | D      | D           | 100                 |
| 4         | 4           | 100                 | 38     | 38          | 100                 | 72     | 72          | 100                 | E      | E           | 100                 |
| 5         | 5           | 100                 | 39     | 39          | 100                 | 73     | 73          | 100                 | F      | F           | 100                 |
| 6         | 6           | 100                 | 40     | 40          | 100                 | 74     | 74          | 100                 | G      | G           | 100                 |
| 7         | 7           | 100                 | 41     | 41          | 100                 | 75     | 75          | 100                 | H      | H           | 100                 |
| 8         | 8           | 100                 | 42     | 42          | 100                 | 76     | 76          | 100                 | I      | I           | 100                 |
| 9         | 9           | 100                 | 43     | 43          | 100                 | 77     | 77          | 100                 | J      | J           | 100                 |
| 10        | 10          | 100                 | 44     | 44          | 100                 | 78     | 78          | 100                 | K      | K           | 100                 |
| 11        | 11          | 100                 | 45     | 45          | 100                 | 79     | 79          | 100                 | L      | L           | 100                 |
| 12        | 12          | 100                 | 46     | 46          | 100                 | 80     | 80          | 100                 | M      | M           | 100                 |
| 13        | 13          | 100                 | 47     | 47          | 100                 | 81     | 81          | 100                 | N      | N           | 100                 |
| 14        | 14          | 100                 | 48     | 48          | 100                 | 82     | 82          | 100                 | O      | O           | 100                 |
| 15        | 15          | 100                 | 49     | 49          | 100                 | 83     | 83          | 100                 | P      | P           | 100                 |
| 16        | 16          | 100                 | 50     | 50          | 100                 | 84     | 84          | 100                 | Q      | Q           | 100                 |
| 17        | 17          | 100                 | 51     | 51          | 100                 | 85     | 85          | 100                 | R      | R           | 100                 |
| 18        | 18          | 100                 | 52     | 52          | 100                 | 86     | 86          | 100                 | S      | S           | 100                 |
| 19        | 19          | 100                 | 53     | 53          | 100                 | 87     | 87          | 100                 | T      | T           | 100                 |
| 20        | 20          | 100                 | 54     | 54          | 100                 | 88     | 88          | 100                 | U      | U           | 100                 |
| 21        | 21          | 100                 | 55     | 55          | 100                 | 89     | 89          | 100                 | V      | V           | 100                 |
| 22        | 22          | 100                 | 56     | 56          | 100                 | 90     | 90          | 100                 | W      | W           | 100                 |
| 23        | 23          | 100                 | 57     | 57          | 100                 | 91     | 91          | 100                 | X      | X           | 100                 |
| 24        | 24          | 100                 | 58     | 58          | 100                 | 92     | 92          | 100                 | Y      | Y           | 100                 |
| 25        | 25          | 100                 | 59     | 59          | 100                 | 93     | 93          | 100                 | Z      | Z           | 100                 |
| 26        | 26          | 100                 | 60     | 60          | 100                 | 94     | 94          | 100                 | L1     | L1          | 100                 |
| 27        | 27          | 100                 | 61     | 61          | 100                 | 95     | 95          | 100                 | L2     | L2          | 100                 |
| 28        | 28          | 100                 | 62     | 62          | 100                 | 96     | 96          | 100                 | L3     | L3          | 100                 |
| 29        | 29          | 100                 | 63     | 63          | 100                 | 97     | 97          | 100                 | 24V    | 24V         | 74                  |
| 30        | 30          | 100                 | 64     | 64          | 100                 | 98     | 98          | 100                 | 32V    | 32V         | 74                  |
| 31        | 31          | 100                 | 65     | 65          | 100                 | 99     | 99          | 100                 | 48V    | 48V         | 74                  |
| 32        | 32          | 100                 | 66     | 66          | 100                 | 100    | 100         | 74                  | 110V   | 110V        | 60                  |
| 33        | 33          | 100                 | 67     | 67          | 100                 |        |             |                     | 220V   | 220V        | 60                  |
| 0 → 49    | S49         | 100                 | A → Z  | A-Z         | 104                 | +      | +           | 100                 | 230V   | 230V        | 60                  |
| 50 → 99   | S99         | 100                 |        |             |                     | -      | -           | 100                 | 240V   | 240V        | 60                  |
| 100 → 136 | S136        | 74                  |        |             |                     | ⏏      | SYTE        | 100                 | 380V   | 380V        | 60                  |
| 137 → 173 | S173        | 74                  |        |             |                     |        |             |                     |        |             |                     |
| 174 → 210 | S210        | 74                  |        |             |                     |        |             |                     |        |             |                     |

Other legends upon request with a minimum of order of 10 cards.



# Code marker cards SES-MARKERS

E 14 unprinted

Coloured strip



SES-MARKERS

Quality TEV



## E 14 unprinted

|                                    |   |
|------------------------------------|---|
| <b>Material:</b>                   | TEV vinyle covered cotton                                 |
| <b>Operating temperatures:</b>     | -30 to +105°C (class A)<br>-40 to +150°C (short duration) |
| <b>Temperature of application:</b> | +10 to +40°C  |
| <b>Adhesive:</b>                   | special thermal setting adhesive                          |
| <b>Adherence on steel:</b>         | 2,5 N/cm  |
| <b>Tensile strength:</b>           | 80 N/cm   |
| <b>Dimension of the card:</b>      | 255 x 48 mm   |
| <b>Strip number:</b>               | 100 strips  |
| <b>Strip width:</b>                | 4,5 mm  |
| <b>Strip length:</b>               | 14 mm (for wires up to Ø 4 mm)                            |
| <b>Strip thickness:</b>            | 0,30 mm   |
| <b>Pack:</b>                       | 10 cards  |



### Article number

| code group | detail article | code colour | code legend |
|------------|----------------|-------------|-------------|
| 0301       | 009            | x x x       | x x x x     |

Example for order:  
E14 violet unprinted

|      |     |     |    |
|------|-----|-----|----|
| 0301 | 009 | 008 | VT |
|------|-----|-----|----|

| code colour       | 001 | 002 | 003 | 004 | 005 | 006 | 007 | 008 | 010 | 013 | 015 | 020 | 021 | 022 | 088 | 060  |
|-------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| code abbreviation | WH  | BU  | GN  | YE  | OG  | BN  | RD  | VT  | BK  | GY  | PK  | LB  | LG  | LN  | BX  | YEGN |

These marker cards are available printed upon request.



B1/10-01



B1/7-01



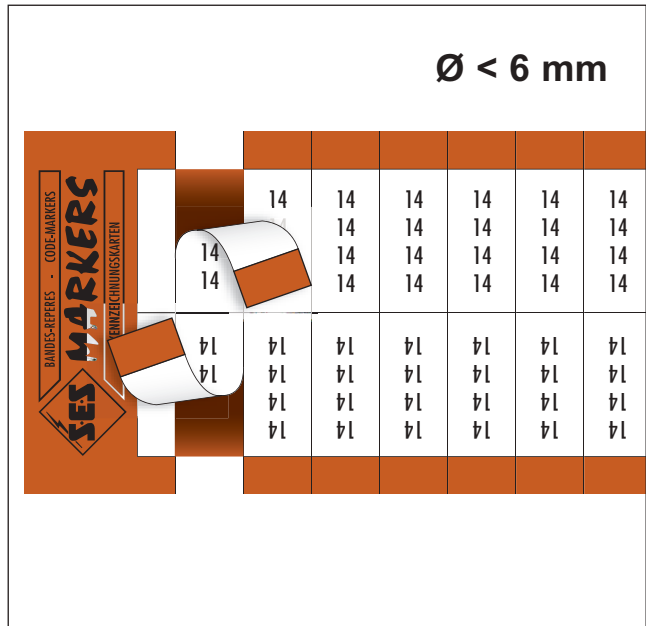
B2/7-02





**E 19**

**Material:** TEV vinyle covered cotton  
**Operating temperatures:** -30 to +105°C (class A)  
 -40 to +150°C (short duration)  
**Temperatures of application:** +10 to +40°C  
**Adhesive:** special thermal setting adhesive  
**Adherence on steel:** 2,5 N/cm  
**Tensile strength:** 80 N/cm  
  
**Dimension of the card:** 255 x 48 mm  
**Print height:** 3,1 mm  
  
**Strip number:** 40 to 74 strips  
**Strip width:** 6 to 11 mm  
**Strip length:** 19 mm (for wires up to Ø 6 mm)  
**Strip thickness:** 0,30 mm  
**Standard colours:** white - yellow  
  
**Pack:** 10 cards same legend (for smaller quantities an extra charge will be applied).



• **Product information**

|                                     |                                      |
|-------------------------------------|--------------------------------------|
| <p>Figures and letters repeated</p> | <p>Figures and letters in series</p> |
|-------------------------------------|--------------------------------------|

|                         |                         |                       |
|-------------------------|-------------------------|-----------------------|
| <p>Symbols repeated</p> | <p>Voltage repeated</p> | <p>Coloured cards</p> |
|-------------------------|-------------------------|-----------------------|







# Code marker cards SES-MARKERS

E 19 unprinted

Coloured strip



SES-MARKERS

Quality TEV



## E 19 unprinted

|                                     |   |
|-------------------------------------|---|
| <b>Material:</b>                    | TEV vinyle covered cotton                                 |
| <b>Operating temperatures:</b>      | -30 to +105°C (class A)<br>-40 to +150°C (short duration) |
| <b>Temperatures of application:</b> | +10 to +40°C  |
| <b>Adhesive:</b>                    | special thermal setting adhesive                          |
| <b>Adherence on steel:</b>          | 2,5 N/cm  |
| <b>Tensile strength:</b>            | 80 N/cm   |
| <b>Dimension of the card:</b>       | 255 x 48 mm   |
| <b>Strip number:</b>                | 66 strips   |
| <b>Strip width:</b>                 | 7 mm  |
| <b>Strip length:</b>                | 19 mm (for wires up to Ø 6 mm)                            |
| <b>Strip thickness:</b>             | 0,30 mm   |
| <b>Pack:</b>                        | 10 cards  |



### Article number

| code group | detail article | code colour | code legend |
|------------|----------------|-------------|-------------|
| 0301       | 0008           | x x x       | x x x       |

Example for order:  
E19 strip pink without print

|      |      |     |    |
|------|------|-----|----|
| 0301 | 0008 | 015 | PK |
|------|------|-----|----|

| code colour       | 001   | 002  | 003   | 004    | 005    | 006   | 007 | 008    | 010   | 013  | 015  | 020        | 021        | 022         | 088    | 060          |
|-------------------|-------|------|-------|--------|--------|-------|-----|--------|-------|------|------|------------|------------|-------------|--------|--------------|
| code abbreviation | white | blue | green | yellow | orange | brown | red | violet | black | grey | pink | light blue | light grey | light green | maroon | yellow/green |
|                   | WH    | BU   | GN    | YE     | OG     | BN    | RD  | VT     | BK    | GY   | PK   | LB         | LG         | LN          | BX     | YEGN         |

These marker cards are available printed upon request.



B1/10-01



B1/7-01



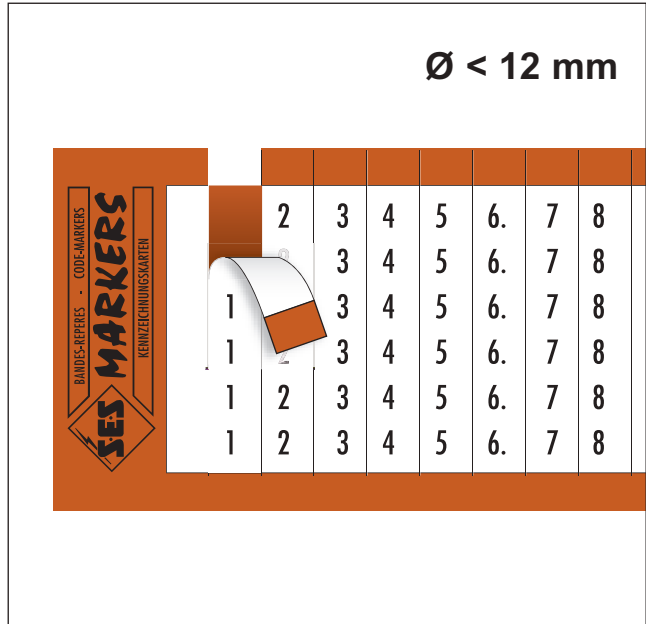
B2/7-02





**E 38**

**Material:** TEV vinyle covered cotton  
**Operating temperatures:** -30 to +105°C (class A)  
 -40 to +150°C (short duration)  
**Temperatures of application:** +10 to +40°C  
**Adhesive:** special thermal setting adhesive  
**Adherence on steel:** 2,5 N/cm  
**Tensile strength:** 80 N/cm  
  
**Dimension of the card:** 255 x 48 mm  
**Print height:** 3,1 mm  
  
**Strip number:** 12 to 37 strip  
**Strip width:** 6 to 18 mm  
**Strip length:** 38 mm (for wires up to Ø 12 mm)  
**Strip thickness:** 0,30 mm  
**Standard colours:** white - yellow  
  
**Pack:** 10 cards same legend (for smaller quantities an extra charge will be applied).



• **Product information**

| Figures and letters repeated | Figures and letters in series | Figures in repetitive groups |
|------------------------------|-------------------------------|------------------------------|
|                              |                               |                              |

| Figures and letters combined repeated | Phases repeated | Voltages repeated | Coloured cards |
|---------------------------------------|-----------------|-------------------|----------------|
|                                       |                 |                   |                |





Article number white strip

| code group | detail article | code colour | code legend |
|------------|----------------|-------------|-------------|
| 0301       | 0001           | 001         | x x x x     |

Example for order:

E38 white strip - legend 09.

|      |      |     |    |
|------|------|-----|----|
| 0301 | 0001 | 001 | 09 |
|------|------|-----|----|

Ø < 12 mm

Article number yellow strip

| code group | detail article | code colour | code legend |
|------------|----------------|-------------|-------------|
| 0301       | 0001           | 004         | x x x x     |

E38 yellow strip - legend 0 → 9.

|      |      |     |     |
|------|------|-----|-----|
| 0301 | 0001 | 004 | 0-9 |
|------|------|-----|-----|

| legend | code legend | number strips /card | legend | code legend | number strips /card | legend    | code legend | number strips /card | legend  | code legend | number strips /card |
|--------|-------------|---------------------|--------|-------------|---------------------|-----------|-------------|---------------------|---------|-------------|---------------------|
| 0      | 0           | 37                  | 40     | 40          | 37                  | 80        | 80          | 37                  | A       | A           | 37                  |
| 1      | 1           | 37                  | 41     | 41          | 37                  | 81        | 81          | 37                  | B       | B           | 37                  |
| 2      | 2           | 37                  | 42     | 42          | 37                  | 82        | 82          | 37                  | C       | C           | 37                  |
| 3      | 3           | 37                  | 43     | 43          | 37                  | 83        | 83          | 37                  | D       | D           | 37                  |
| 4      | 4           | 37                  | 44     | 44          | 37                  | 84        | 84          | 37                  | E       | E           | 37                  |
| 5      | 5           | 37                  | 45     | 45          | 37                  | 85        | 85          | 37                  | F       | F           | 37                  |
| 6      | 6           | 37                  | 46     | 46          | 37                  | 86        | 86          | 37                  | G       | G           | 37                  |
| 7      | 7           | 37                  | 47     | 47          | 37                  | 87        | 87          | 37                  | H       | H           | 37                  |
| 8      | 8           | 37                  | 48     | 48          | 37                  | 88        | 88          | 37                  | I       | I           | 37                  |
| 9      | 9           | 37                  | 49     | 49          | 37                  | 89        | 89          | 37                  | J       | J           | 37                  |
| 10     | 10          | 37                  | 50     | 50          | 37                  | 90        | 90          | 33                  | K       | K           | 37                  |
| 11     | 11          | 37                  | 51     | 51          | 37                  | 91        | 91          | 37                  | L       | L           | 37                  |
| 12     | 12          | 37                  | 52     | 52          | 37                  | 92        | 92          | 37                  | M       | M           | 37                  |
| 13     | 13          | 37                  | 53     | 53          | 37                  | 93        | 93          | 37                  | N       | N           | 37                  |
| 14     | 14          | 37                  | 54     | 54          | 37                  | 94        | 94          | 37                  | O       | O           | 37                  |
| 15     | 15          | 37                  | 55     | 55          | 37                  | 95        | 95          | 37                  | P       | P           | 37                  |
| 16     | 16          | 37                  | 56     | 56          | 37                  | 96        | 96          | 37                  | Q       | Q           | 37                  |
| 17     | 17          | 37                  | 57     | 57          | 37                  | 97        | 97          | 37                  | R       | R           | 37                  |
| 18     | 18          | 37                  | 58     | 58          | 37                  | 98        | 98          | 37                  | S       | S           | 37                  |
| 19     | 19          | 37                  | 59     | 59          | 37                  | 99        | 99          | 33                  | T       | T           | 37                  |
| 20     | 20          | 37                  | 60     | 60          | 33                  | 100       | 100         | 25                  | U       | U           | 37                  |
| 21     | 21          | 37                  | 61     | 61          | 37                  |           |             |                     | V       | V           | 37                  |
| 22     | 22          | 37                  | 62     | 62          | 37                  | 00        | 00          | 33                  | W       | W           | 37                  |
| 23     | 23          | 37                  | 63     | 63          | 37                  | 01        | 01          | 33                  | X       | X           | 37                  |
| 24     | 24          | 37                  | 64     | 64          | 37                  | 02        | 02          | 33                  | Y       | Y           | 37                  |
| 25     | 25          | 37                  | 65     | 65          | 37                  | 03        | 03          | 33                  | Z       | Z           | 37                  |
| 26     | 26          | 37                  | 66     | 66          | 33                  | 04        | 04          | 33                  | A → Z   | A-Z         | 37                  |
| 27     | 27          | 37                  | 67     | 67          | 37                  | 05        | 05          | 33                  | 0 → 9   | 0-9         | 37                  |
| 28     | 28          | 37                  | 68     | 68          | 37                  | 06        | 06          | 33                  | 0 → 10  | 0-10        | 33                  |
| 29     | 29          | 37                  | 69     | 69          | 37                  | 07        | 07          | 33                  | 1 → 3   | 1-3         | 36                  |
| 30     | 30          | 37                  | 70     | 70          | 37                  | 08        | 08          | 33                  | 1 → 4   | 1-4         | 36                  |
| 31     | 31          | 37                  | 71     | 71          | 37                  | 09        | 09          | 33                  | 1 → 5   | 1-5         | 35                  |
| 32     | 32          | 37                  | 72     | 72          | 37                  |           |             |                     | 1 → 6   | 1-6         | 36                  |
| 33     | 33          | 37                  | 73     | 73          | 37                  |           |             |                     | 1 → 8   | 1-8         | 32                  |
| 34     | 34          | 37                  | 74     | 74          | 37                  | 1 → 33    | S33         | 33                  | 1 → 9   | 1-9         | 36                  |
| 35     | 35          | 37                  | 75     | 75          | 37                  | 34 → 66   | S66         | 33                  | 1 → 12  | 1-12        | 36                  |
| 36     | 36          | 37                  | 76     | 76          | 37                  | 67 → 99   | S99         | 33                  | 1 → 16  | 1-16        | 32                  |
| 37     | 37          | 37                  | 77     | 77          | 37                  | 100 → 124 | S124        | 25                  | 1 → 18  | 1-18        | 36                  |
| 38     | 38          | 37                  | 78     | 78          | 37                  | 125 → 149 | S149        | 25                  | 19 → 36 | 1936        | 36                  |
| 39     | 39          | 37                  | 79     | 79          | 37                  | 150 → 174 | S174        | 25                  |         |             |                     |
|        |             |                     |        |             |                     | 175 → 199 | S199        | 25                  |         |             |                     |

Other legends upon request with a minimum of order of 10 cards.





**Article number white strip**

| code group | detail article | code colour | code legend |
|------------|----------------|-------------|-------------|
| 0301       | 0001           | 001         | x x x x     |

Example for order:

E38 white strip - legend L1

|      |      |     |    |
|------|------|-----|----|
| 0301 | 0001 | 001 | L1 |
|------|------|-----|----|

Ø < 12 mm

**Article number yellow strip**

| code group | detail article | code colour | code legend |
|------------|----------------|-------------|-------------|
| 0301       | 0001           | 004         | x x x x     |

E38 yellow strip - legend 1U1

|      |      |     |     |
|------|------|-----|-----|
| 0301 | 0001 | 004 | 1U1 |
|------|------|-----|-----|

| legend | code legend | number strips /card | legend | code legend | number strips /card | legend | code legend | number strips /card | legend | code legend | number strips /card |
|--------|-------------|---------------------|--------|-------------|---------------------|--------|-------------|---------------------|--------|-------------|---------------------|
| A1     | A1          | 33                  | H4     | H4          | 33                  | R3     | R3          | 33                  | W5     | W5          | 33                  |
| A2     | A2          | 33                  | H5     | H5          | 33                  | R4     | R4          | 33                  | W6     | W6          | 33                  |
| A3     | A3          | 33                  | J1     | J1          | 33                  | R5     | R5          | 33                  | X1     | X1          | 33                  |
| A4     | A4          | 33                  | J2     | J2          | 33                  | R6     | R6          | 33                  | X2     | X2          | 33                  |
| A5     | A5          | 33                  | J3     | J3          | 33                  | R7     | R7          | 33                  | X3     | X3          | 33                  |
| A6     | A6          | 33                  | J4     | J4          | 33                  | R8     | R8          | 33                  | X4     | X4          | 33                  |
| B1     | B1          | 33                  | K1     | K1          | 33                  | R9     | R9          | 33                  | Y1     | Y1          | 33                  |
| B2     | B2          | 33                  | K2     | K2          | 33                  | R10    | R10         | 25                  | Y2     | Y2          | 33                  |
| B3     | B3          | 33                  | K3     | K3          | 33                  | S1     | S1          | 33                  | Y3     | Y3          | 33                  |
| B4     | B4          | 33                  | K4     | K4          | 33                  | S2     | S2          | 33                  | Y4     | Y4          | 33                  |
| B5     | B5          | 33                  | L1     | L1          | 33                  | S3     | S3          | 33                  | Z1     | Z1          | 33                  |
| C1     | C1          | 33                  | L2     | L2          | 33                  | S4     | S4          | 33                  | Z2     | Z2          | 33                  |
| C2     | C2          | 33                  | L3     | L3          | 33                  | S5     | S5          | 33                  | Z3     | Z3          | 33                  |
| C3     | C3          | 33                  | L4     | L4          | 33                  | S6     | S6          | 33                  | Z4     | Z4          | 33                  |
| C4     | C4          | 33                  | L5     | L5          | 33                  | T1     | T1          | 33                  | 1U     | 1U          | 33                  |
| C5     | C5          | 33                  | L6     | L6          | 33                  | T2     | T2          | 33                  | 2U     | 2U          | 33                  |
| C6     | C6          | 33                  | L7     | L7          | 33                  | T3     | T3          | 33                  | 1V     | 1V          | 33                  |
| D1     | D1          | 33                  | L8     | L8          | 33                  | T4     | T4          | 33                  | 2V     | 2V          | 33                  |
| D2     | D2          | 33                  | L9     | L9          | 33                  | T5     | T5          | 33                  | 1W     | 1W          | 33                  |
| D3     | D3          | 33                  | M1     | M1          | 33                  | T6     | T6          | 33                  | 2W     | 2W          | 33                  |
| D4     | D4          | 33                  | M2     | M2          | 33                  | T7     | T7          | 33                  | 1U1    | 1U1         | 25                  |
| D5     | D5          | 33                  | M3     | M3          | 33                  | T8     | T8          | 33                  | 1U2    | 1U2         | 25                  |
| E1     | E1          | 33                  | M4     | M4          | 33                  | T9     | T9          | 33                  | 2U1    | 2U1         | 25                  |
| E2     | E2          | 33                  | M5     | M5          | 33                  | T10    | T10         | 25                  | 2U2    | 2U2         | 25                  |
| E3     | E3          | 33                  | M6     | M6          | 33                  | U1     | U1          | 33                  | 1V1    | 1V1         | 25                  |
| E4     | E4          | 33                  | O1     | O1          | 33                  | U2     | U2          | 33                  | 1V2    | 1V2         | 25                  |
| E5     | E5          | 33                  | O2     | O2          | 33                  | U3     | U3          | 33                  | 2V1    | 2V1         | 25                  |
| F1     | F1          | 33                  | O3     | O3          | 33                  | U4     | U4          | 33                  | 2V2    | 2V2         | 25                  |
| F2     | F2          | 33                  | O4     | O4          | 33                  | U5     | U5          | 33                  | 1W1    | 1W1         | 25                  |
| F3     | F3          | 33                  | O5     | O5          | 33                  | U6     | U6          | 33                  | 1W2    | 1W2         | 25                  |
| F4     | F4          | 33                  | O6     | O6          | 33                  | V1     | V1          | 33                  | 2W1    | 2W1         | 25                  |
| F5     | F5          | 33                  | O7     | O7          | 33                  | V2     | V2          | 33                  | 2W2    | 2W2         | 25                  |
| G1     | G1          | 33                  | O8     | O8          | 33                  | V3     | V3          | 33                  |        |             |                     |
| G2     | G2          | 33                  | O9     | O9          | 33                  | V4     | V4          | 33                  |        |             |                     |
| G3     | G3          | 33                  | P1     | P1          | 33                  | V5     | V5          | 33                  |        |             |                     |
| G4     | G4          | 33                  | P2     | P2          | 33                  | V6     | V6          | 33                  |        |             |                     |
| G5     | G5          | 33                  | P3     | P3          | 33                  | W1     | W1          | 33                  |        |             |                     |
| H1     | H1          | 33                  | P4     | P4          | 33                  | W2     | W2          | 33                  |        |             |                     |
| H2     | H2          | 33                  | R1     | R1          | 33                  | W3     | W3          | 33                  |        |             |                     |
| H3     | H3          | 33                  | R2     | R2          | 33                  | W4     | W4          | 33                  |        |             |                     |

Other legends upon request with a minimum of order of 10 cards.







**Article number white strip**

| code group | detail article | code colour | code legend |
|------------|----------------|-------------|-------------|
| 0301       | 0001           | 001         | xxxxx       |

**Article number yellow strip**

| code group | detail article | code colour | code legend |
|------------|----------------|-------------|-------------|
| 0301       | 0001           | 004         | xxxxx       |

Example for order:

E38 strip white - legend PHASE

|      |      |     |      |
|------|------|-----|------|
| 0301 | 0001 | 001 | PHAS |
|------|------|-----|------|

Ø < 12 mm

E38 strip yellow - legend 230V

|      |      |     |      |
|------|------|-----|------|
| 0301 | 0001 | 004 | 230V |
|------|------|-----|------|

| legend  | code legend | number strips /card | legend | code legend | number strips /card | legend | code legend | number strips /card |
|---------|-------------|---------------------|--------|-------------|---------------------|--------|-------------|---------------------|
| PHASE   | PHAS        | 17                  | +      | +           | 33                  | 3V     | 3V          | 33                  |
| PHASE-1 | PHA1        | 12                  |        |             |                     | 5V     | 5V          | 33                  |
| PHASE-2 | PHA2        | 12                  |        |             |                     | 6V     | 6V          | 33                  |
| PHASE-3 | PHA3        | 12                  | -      | -           | 33                  | 12V    | 12V         | 25                  |
| PH      | PH          | 33                  |        |             |                     | 24V    | 24V         | 25                  |
| MASSE   | MASS        | 17                  |        |             |                     | 32V    | 32V         | 25                  |
| PE      | PE          | 33                  | ⏚      | SYTE        | 33                  | 48V    | 48V         | 25                  |
| NEUT    | NEUT        | 20                  |        |             |                     | 110V   | 110V        | 20                  |
| OUT     | OUT         | 25                  |        |             |                     | 220V   | 220V        | 20                  |
| NEUTRE  | NEUE        | 14                  |        |             |                     | 230V   | 230V        | 20                  |
| TERRE   | TERR        | 17                  |        |             |                     | 240V   | 240V        | 20                  |
|         |             |                     |        |             |                     | 380V   | 380V        | 20                  |

Other legends upon request with a minimum of order of 10 cards.



# Code marker cards SES-MARKERS

E 38 unprinted

Coloured strip



SES-MARKERS

Quality TEV



## E 38 unprinted

|                                     |   |
|-------------------------------------|---|
| <b>Material:</b>                    | TEV vinyle covered cotton                                 |
| <b>Operating temperatures:</b>      | -30 to +105°C (class A)<br>-40 to +150°C (short duration) |
| <b>Temperatures of application:</b> | +10 to +40°C  |
| <b>Adhesive:</b>                    | special thermal setting adhesive                          |
| <b>Adherence on steel:</b>          | 2,5 N/cm  |
| <b>Tensile strength:</b>            | 80 N/cm   |
| <b>Dimension of the card:</b>       | 255 x 48 mm   |
| <b>Strip number:</b>                | 33 strips   |
| <b>Strip width:</b>                 | 7 mm  |
| <b>Strip length:</b>                | 38 mm (for wires up to Ø 12 mm)                           |
| <b>Strip thickness:</b>             | 0,30 mm   |
| <b>Pack:</b>                        | 10 cards  |



### Article number

| code group | detail article | code colour | code legend |
|------------|----------------|-------------|-------------|
| 0          | 3              | 0           | 1           |
| x          | x              | x           | x           |

Example for order:  
E38 strip blue unprinted

|   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 3 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | B | U |
|---|---|---|---|---|---|---|---|---|---|---|---|---|

| code colour       | 001   | 002  | 003   | 004    | 005    | 006   | 007 | 008    | 010   | 013  | 015  | 020        | 021         | 022         | 088    | 060          |
|-------------------|-------|------|-------|--------|--------|-------|-----|--------|-------|------|------|------------|-------------|-------------|--------|--------------|
| code abbreviation | white | blue | green | yellow | orange | brown | red | violet | black | grey | pink | light blue | pebble gray | light green | maroon | yellow/green |
|                   | WH    | BU   | GN    | YE     | OG     | BN    | RD  | VT     | BK    | GY   | PK   | LB         | LG          | LN          | BX     | YEGN         |

These marker cards are available printed upon request.



B1/10-01



B1/7-01



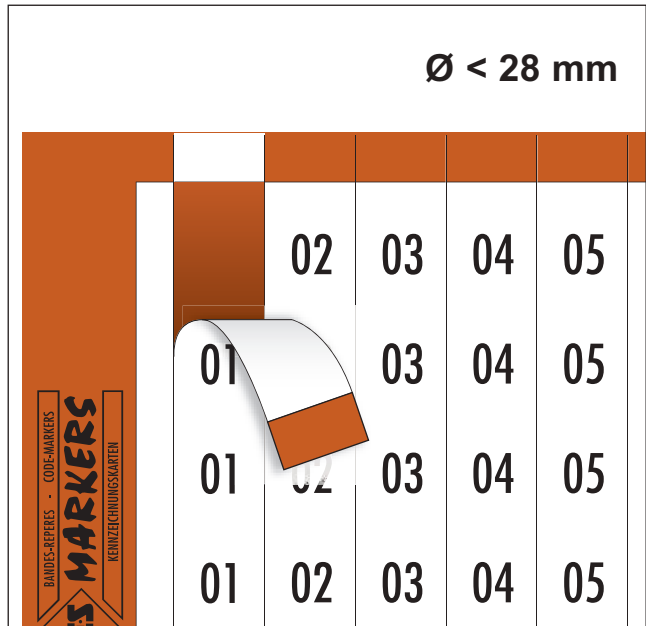
B2/7-02





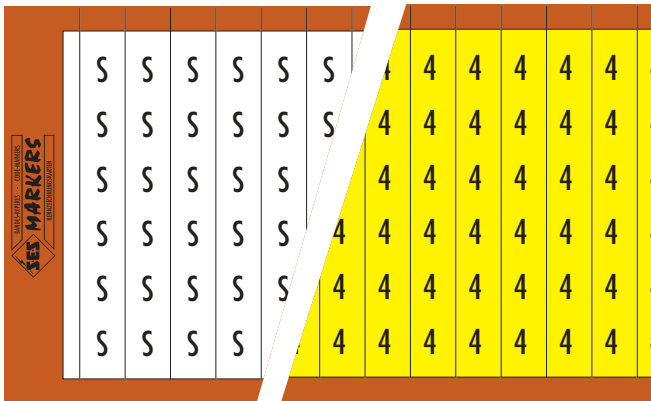
**E 92**

**Material:** TEV vinyle covered cotton  
**Operating temperatures:** -30 to +105°C (class A)  
 -40 to +150°C (short duration)  
**Temperatures of application:** +10 to +40°C  
**Adhesive:** special thermal setting adhesive  
**Adherence on steel:** 2,5 N/cm  
**Tensile strength:** 80 N/cm  
  
**Dimension of the card:** 255 x 105 mm  
**Print height:** 7 mm  
  
**Strip number:** 11 to 18 strips  
**Strip width:** 12 to 20 mm  
**Strip length:** 92 mm (for wires up to Ø 28 mm)  
**Strip thickness:** 0,30 mm  
**Standard colours:** white - yellow  
  
**Pack:** 10 cards same legend (for smaller quantities an extra charge will be applied).

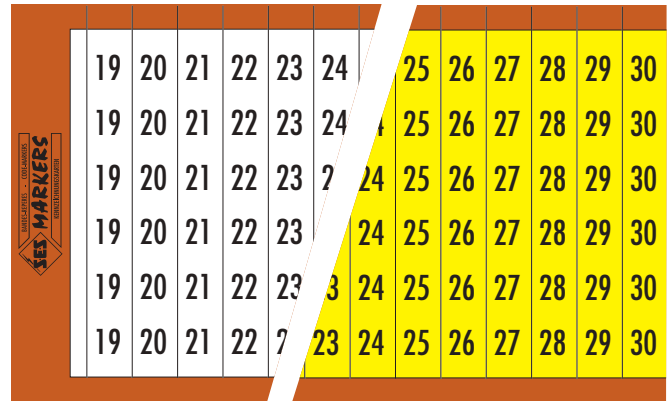


• **Product information**

Figures and letters repeated



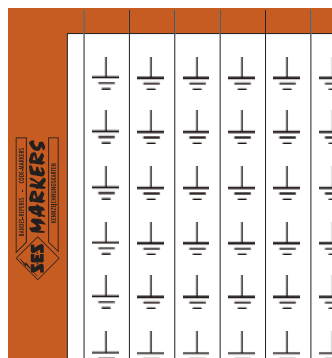
Figures repeated



Voltages repeated



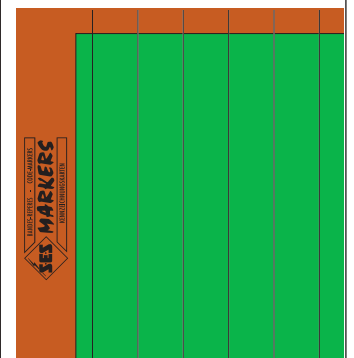
Symbols repeated



Figures and letters combined repeated



Coloured cards





**Article number white strip**

| code group | detail article | code colour | code legend |
|------------|----------------|-------------|-------------|
| 0301       | 0002           | 001         | x x x x     |

Example for order:

E92 strip white - legend 80

|      |      |     |    |
|------|------|-----|----|
| 0301 | 0002 | 001 | 80 |
|------|------|-----|----|

∅ < 28 mm

**Article number yellow strip**

| code group | detail article | code colour | code legend |
|------------|----------------|-------------|-------------|
| 0301       | 0002           | 004         | x x x x     |

E92 strip yellow - legend S

|      |      |     |   |
|------|------|-----|---|
| 0301 | 0002 | 004 | S |
|------|------|-----|---|

| legend | code legend | number strips /card | legend | code legend | number strips /card | legend   | code legend | number strips /card | legend | code legend | number strips /card |
|--------|-------------|---------------------|--------|-------------|---------------------|----------|-------------|---------------------|--------|-------------|---------------------|
| 0      | 0           | 18                  | 40     | 40          | 18                  | 80       | 80          | 18                  | A      | A           | 18                  |
| 1      | 1           | 18                  | 41     | 41          | 18                  | 81       | 81          | 18                  | B      | B           | 18                  |
| 2      | 2           | 18                  | 42     | 42          | 18                  | 82       | 82          | 18                  | C      | C           | 18                  |
| 3      | 3           | 18                  | 43     | 43          | 18                  | 83       | 83          | 18                  | D      | D           | 18                  |
| 4      | 4           | 18                  | 44     | 44          | 18                  | 84       | 84          | 18                  | E      | E           | 18                  |
| 5      | 5           | 18                  | 45     | 45          | 18                  | 85       | 85          | 18                  | F      | F           | 18                  |
| 6      | 6           | 18                  | 46     | 46          | 18                  | 86       | 86          | 18                  | G      | G           | 18                  |
| 7      | 7           | 18                  | 47     | 47          | 18                  | 87       | 87          | 18                  | H      | H           | 18                  |
| 8      | 8           | 18                  | 48     | 48          | 18                  | 88       | 88          | 18                  | I      | I           | 18                  |
| 9      | 9           | 18                  | 49     | 49          | 18                  | 89       | 89          | 18                  | J      | J           | 18                  |
| 10     | 10          | 18                  | 50     | 50          | 18                  | 90       | 90          | 18                  | K      | K           | 18                  |
| 11     | 11          | 18                  | 51     | 51          | 18                  | 91       | 91          | 18                  | L      | L           | 18                  |
| 12     | 12          | 18                  | 52     | 52          | 18                  | 92       | 92          | 18                  | M      | M           | 18                  |
| 13     | 13          | 18                  | 53     | 53          | 18                  | 93       | 93          | 18                  | N      | N           | 18                  |
| 14     | 14          | 18                  | 54     | 54          | 18                  | 94       | 94          | 18                  | O      | O           | 18                  |
| 15     | 15          | 18                  | 55     | 55          | 18                  | 95       | 95          | 18                  | P      | P           | 18                  |
| 16     | 16          | 18                  | 56     | 56          | 18                  | 96       | 96          | 18                  | Q      | Q           | 18                  |
| 17     | 17          | 18                  | 57     | 57          | 18                  | 97       | 97          | 18                  | R      | R           | 18                  |
| 18     | 18          | 18                  | 58     | 58          | 18                  | 98       | 98          | 18                  | S      | S           | 18                  |
| 19     | 19          | 18                  | 59     | 59          | 18                  | 99       | 99          | 18                  | T      | T           | 18                  |
| 20     | 20          | 18                  | 60     | 60          | 18                  |          |             |                     | U      | U           | 18                  |
| 21     | 21          | 18                  | 61     | 61          | 18                  |          |             |                     | V      | V           | 18                  |
| 22     | 22          | 18                  | 62     | 62          | 18                  |          |             |                     | W      | W           | 18                  |
| 23     | 23          | 18                  | 63     | 63          | 18                  |          |             |                     | X      | X           | 18                  |
| 24     | 24          | 18                  | 64     | 64          | 18                  |          |             |                     | Y      | Y           | 18                  |
| 25     | 25          | 18                  | 65     | 65          | 18                  |          |             |                     | Z      | Z           | 18                  |
| 26     | 26          | 18                  | 66     | 66          | 18                  |          |             |                     |        |             |                     |
| 27     | 27          | 18                  | 67     | 67          | 18                  | 01 → 09. | S9          | 18                  | 12V    | 12V         | 16                  |
| 28     | 28          | 18                  | 68     | 68          | 18                  | 1 → 18   | S18         | 18                  | 24V    | 24V         | 16                  |
| 29     | 29          | 18                  | 69     | 69          | 18                  | 19 → 36  | S36         | 18                  | 48V    | 48V         | 16                  |
| 30     | 30          | 18                  | 70     | 70          | 18                  | 37 → 54  | S54         | 18                  | 110V   | 110V        | 11                  |
| 31     | 31          | 18                  | 71     | 71          | 18                  | 55 → 72  | S72         | 18                  | 220V   | 220V        | 11                  |
| 32     | 32          | 18                  | 72     | 72          | 18                  | 73 → 90. | S90         | 18                  | 230V   | 230V        | 11                  |
| 33     | 33          | 18                  | 73     | 73          | 18                  | 91 → 99. | S99         | 18                  | 380V   | 380V        | 11                  |
| 34     | 34          | 18                  | 74     | 74          | 18                  |          |             |                     |        |             |                     |
| 35     | 35          | 18                  | 75     | 75          | 18                  |          |             |                     | +      | +           | 18                  |
| 36     | 36          | 18                  | 76     | 76          | 18                  |          |             |                     | -      | -           | 18                  |
| 37     | 37          | 18                  | 77     | 77          | 18                  |          |             |                     |        | SYMA        | 18                  |
| 38     | 38          | 18                  | 78     | 78          | 18                  |          |             |                     |        | SYTE        | 18                  |
| 39     | 39          | 18                  | 79     | 79          | 18                  |          |             |                     |        |             |                     |

Other legends upon request with a minimum of order of 10 cards.







**Article number white strip**

| code group | detail article | code colour | code legend |
|------------|----------------|-------------|-------------|
| 0301       | 0002           | 001         | x x x x     |

Example for order:

E92 strip white - legend F3

|      |      |     |    |
|------|------|-----|----|
| 0301 | 0002 | 001 | F3 |
|------|------|-----|----|

∅ < 28 mm

**Article number yellow strip**

| code group | detail article | code colour | code legend |
|------------|----------------|-------------|-------------|
| 0301       | 0002           | 004         | x x x x     |

E92 strip yellow - legend L2

|      |      |     |    |
|------|------|-----|----|
| 0301 | 0002 | 004 | L2 |
|------|------|-----|----|

| legend | code legend | number strips /card | legend | code legend | number strips /card | legend | code legend | number strips /card | legend | code legend | number strips /card |
|--------|-------------|---------------------|--------|-------------|---------------------|--------|-------------|---------------------|--------|-------------|---------------------|
| A1     | A1          | 18                  | F4     | F4          | 18                  | M4     | M4          | 18                  | U3     | U3          | 18                  |
| A2     | A2          | 18                  | F5     | F5          | 18                  | M5     | M5          | 18                  | U4     | U4          | 18                  |
| A3     | A3          | 18                  | G1     | G1          | 18                  | P1     | P1          | 18                  | U5     | U5          | 18                  |
| A4     | A4          | 18                  | G2     | G2          | 18                  | P2     | P2          | 18                  | V1     | V1          | 18                  |
| A5     | A5          | 18                  | G3     | G3          | 18                  | P3     | P3          | 18                  | V2     | V2          | 18                  |
| B1     | B1          | 18                  | G4     | G4          | 18                  | P4     | P4          | 18                  | V3     | V3          | 18                  |
| B2     | B2          | 18                  | G5     | G5          | 18                  | R1     | R1          | 18                  | V4     | V4          | 18                  |
| B3     | B3          | 18                  | H1     | H1          | 18                  | R2     | R2          | 18                  | V5     | V5          | 18                  |
| B4     | B4          | 18                  | H2     | H2          | 18                  | R3     | R3          | 18                  | V6     | V6          | 18                  |
| B5     | B5          | 18                  | H3     | H3          | 18                  | R4     | R4          | 18                  | W1     | W1          | 18                  |
| C1     | C1          | 18                  | H4     | H4          | 18                  | R5     | R5          | 18                  | W2     | W2          | 18                  |
| C2     | C2          | 18                  | H5     | H5          | 18                  | S1     | S1          | 18                  | W3     | W3          | 18                  |
| C3     | C3          | 18                  | J1     | J1          | 18                  | S2     | S2          | 18                  | W4     | W4          | 18                  |
| C4     | C4          | 18                  | J2     | J2          | 18                  | S3     | S3          | 18                  | W5     | W5          | 18                  |
| C5     | C5          | 18                  | J3     | J3          | 18                  | S4     | S4          | 18                  | W6     | W6          | 18                  |
| D1     | D1          | 18                  | J4     | J4          | 18                  | S5     | S5          | 18                  | X1     | X1          | 18                  |
| D2     | D2          | 18                  | K1     | K1          | 18                  | T1     | T1          | 18                  | X2     | X2          | 18                  |
| D3     | D3          | 18                  | K2     | K2          | 18                  | T2     | T2          | 18                  | X3     | X3          | 18                  |
| D4     | D4          | 18                  | K3     | K3          | 18                  | T3     | T3          | 18                  | X4     | X4          | 18                  |
| D5     | D5          | 18                  | K4     | K4          | 18                  | T4     | T4          | 18                  | Y1     | Y1          | 18                  |
| E1     | E1          | 18                  | L1     | L1          | 18                  | T5     | T5          | 18                  | Y2     | Y2          | 18                  |
| E2     | E2          | 18                  | L2     | L2          | 18                  | T6     | T6          | 18                  | Y3     | Y3          | 18                  |
| E3     | E3          | 18                  | L3     | L3          | 18                  | T7     | T7          | 18                  | Y4     | Y4          | 18                  |
| E4     | E4          | 18                  | L4     | L4          | 18                  | T8     | T8          | 18                  | Z1     | Z1          | 18                  |
| E5     | E5          | 18                  | L5     | L5          | 18                  | T9     | T9          | 18                  | Z2     | Z2          | 18                  |
| F1     | F1          | 18                  | M1     | M1          | 18                  | T10    | T10         | 16                  | Z3     | Z3          | 18                  |
| F2     | F2          | 18                  | M2     | M2          | 18                  | U1     | U1          | 18                  | Z4     | Z4          | 18                  |
| F3     | F3          | 18                  | M3     | M3          | 18                  | U2     | U2          | 18                  |        |             |                     |

Other legends upon request with a minimum of order of 10 cards.



# Code marker cards SES-MARKERS

E 92 unprinted

Coloured strip



SES-MARKERS

Quality TEV



## E 92 unprinted

**Material:** TEV vinyle covered cotton  
**Operating temperatures:** -30 to +105°C (class A)  
 -40 to +150°C (short duration)  
**Temperatures of application:** +10 to +40°C  
**Adhesive:** special thermal setting adhesive  
**Adherence on steel:** 2,5 N/cm  
**Tensile strength:** 80 N/cm  
  
**Dimension of the card:** 255 x 105 mm  
  
**Strip number:** 18 strips  
**Strip width:** 12 mm  
**Strip length:** 92 mm (for wires up to Ø 28 mm)  
**Strip thickness:** 0,30 mm  
  
**Pack:** 10 cards



### Article number

| code group | detail article | code colour | code legend |
|------------|----------------|-------------|-------------|
| 0301       | 0002           | x x x       | x x x       |

Example for order:  
E92 strip green without print

|      |      |     |      |
|------|------|-----|------|
| 0301 | 0002 | 003 | 03GN |
|------|------|-----|------|

| code colour       | 001         | 002        | 003         | 004          | 005          | 006         | 007       | 008          | 010         | 013        | 015        | 020              | 021               | 022               | 088          | 060                  |
|-------------------|-------------|------------|-------------|--------------|--------------|-------------|-----------|--------------|-------------|------------|------------|------------------|-------------------|-------------------|--------------|----------------------|
| code abbreviation | white<br>WH | blue<br>BU | green<br>GN | yellow<br>YE | orange<br>OG | brown<br>BN | red<br>RD | violet<br>VT | black<br>BK | grey<br>GY | pink<br>PK | light blue<br>LB | pebble gray<br>LG | light green<br>LN | maroon<br>BX | yellow/green<br>YEGN |

These marker cards are available printed upon request.



B1/10-01



B1/7-01



B2/7-02



# SES-MARKERS code marker cards

Self adhesive, self protected EV strips  
white marking area



SES-MARKERS

Quality EV

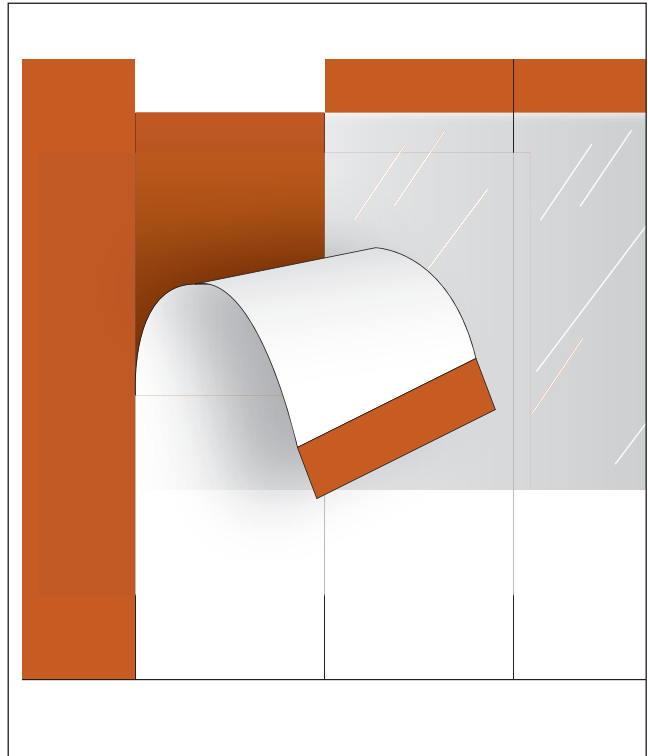


## EV

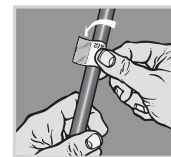
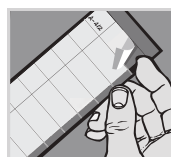
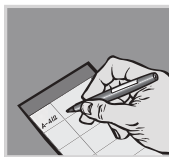
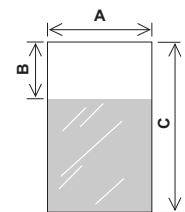
**Material:** PVC transparent  
**Operating temperatures:** -20 to +70°C  
**Temperatures of application:** +5 to +40°C  
**Adhesive:** rubber  
**Adhesion on steel:** > 3 N/cm  
**Tensile strength:** 25 N/cm  
  
**Dimension of the card:** 255 x 82 mm  
  
**Strip thickness:** 0,15 mm  
**Standard colour:** white  
  
**Pack:** 10 cards

### Specification:

- Marking by hand (with Nylon-point pen, biro or pencil).
- Self protection by foil strip.
- Resistant to oils and light solvents.
- Possibility of LASER marking for a readable and indelible marking (please contact us).



| type     | article number | dimensions of the strip A x C (mm) | for cable Ø (mm) | printing surface A x B (mm) | quantity of strips/card |    |
|----------|----------------|------------------------------------|------------------|-----------------------------|-------------------------|----|
| EV 75/9  | 0307 0001 001  | 25 x 75                            | 8 - 16           | 25 x 22                     | 9                       | 10 |
| EV 112/6 | 0307 0002 001  | 25 x 112,5                         | 8 - 28           | 25 x 22                     | 6                       | 10 |
| EV 112/4 | 0307 0003 001  | 37,5 x 112,5                       | 8 - 28           | 37,5 x 22                   | 4                       | 10 |
| EV 225/2 | 0307 0004 001  | 37,5 x 225                         | 8 - 64           | 37,5 x 22                   | 2                       | 10 |



Other colours upon request.

## Permanent marker pen QUICK-MARKERS

| type               | article number | colour | point  |   |
|--------------------|----------------|--------|--------|---|
| EV-permanent       | 0307 0501 010  | black  | medium | 1 |
| PLIO-404 permanent | 0307 0502 010  | black  | fine   | 1 |
| PLIO-404 permanent | 0307 0503 007  | red    | fine   | 1 |
| PLIO-780 opaque    | 0307 0504 001  | white  | fine   | 1 |



**SM - SMR**

**Material:** TEV vinyl covered cotton  
**Operating temperatures:** -30 to +105°C (class A)  
 -40 to +150°C (short duration)  
**Temperatures of application:** +10 to +40°C  
**Adhesive:** special rubber, thermal setting  
**Adhesion on steel:** 2,5 N/cm  
**Tensile strength:** 80 N/cm

**Strip dimensions:**  
 - **SM:** 38 x 5 mm (for cables Ø < 12 mm)  
 - **SMR:** 32,5 x 5 mm (for cables Ø < 9,5 mm)

**Strip thickness:** 300 µm  
**Pages per book:** 10  
**Standard colour:** white  
**Pack:** 1 book

**Specification:** 6 or 7 repeated legends are printed on each strip. The last one can be removed to mark the corresponding terminal.

**SM**  
Ø < 12 mm



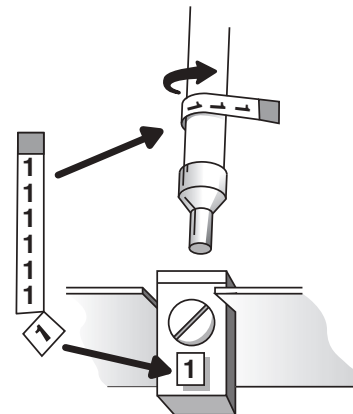
**SMR**  
Ø < 9,5 mm

**• SM booklets**

| type       | article number | legend                                  | quantity of strips per legend |
|------------|----------------|---|-------------------------------|
| SM - 0-9   | 0305 0010 000  | 0 → 9, blank                            | 40                            |
| SM - 0-43  | 0305 0011 000  | 0 → 43                                  | 10                            |
| SM - 44-87 | 0305 0012 000  | 44 → 87                                 | 10                            |
| SM - AZ    | 0305 0013 000  | A → Z, +, -, 0 → 15                     | 10                            |
| SM - 1-33  | 0305 0014 000  | 1 → 33, +, -, A, B, C, R, S, T, U, V, W | 10                            |
| SM - 0     | 0305 0015 000  | 0                                       | 440                           |
| SM - 1     | 0305 0016 000  | 1                                       | 440                           |
| SM - 2     | 0305 0017 000  | 2                                       | 440                           |
| SM - 3     | 0305 0018 000  | 3                                       | 440                           |
| SM - 4     | 0305 0019 000  | 4                                       | 440                           |
| SM - 5     | 0305 0020 000  | 5                                       | 440                           |
| SM - 6     | 0305 0021 000  | 6.                                      | 440                           |
| SM - 7     | 0305 0022 000  | 7                                       | 440                           |
| SM - 8     | 0305 0023 000  | 8                                       | 440                           |
| SM - 9     | 0305 0024 000  | 9.                                      | 440                           |

**• SMR booklets**

|            |               |                                     |          |
|------------|---------------|-------------------------------------|----------|
| SMR - A-Z  | 0305 0050 000 | 0 → 9, A → Z, L1, L2<br>+, -, ~, L3 | 10<br>20 |
| SMR - BK01 | 0305 0110 000 | 0 → 9                               | 46       |
| SMR - BK02 | 0305 0120 000 | A → Z, 0 → 15, +, -, /              | 10       |
| SMR - BK03 | 0305 0130 000 | 1 → 45                              | 10       |
| SMR - BK07 | 0305 0170 000 | L1, L2, L3                          | 150      |
| SMR - BK08 | 0305 0180 000 | 1 → 15                              | 6        |
|            |               | 16 → 90                             | 4        |
|            |               | A → Z, +, -, /, 0                   | 2        |
| SMR - BK11 | 0305 0210 000 | 1 → 30                              | 15       |
| SMR - BK12 | 0305 0220 000 | A → Z                               | 15       |
|            |               | +, -                                | 9        |





# SES-MARKERS TAB code marker books

Self adhesive and self protected strips  
with white marking area



SES-MARKERS


Quality EV

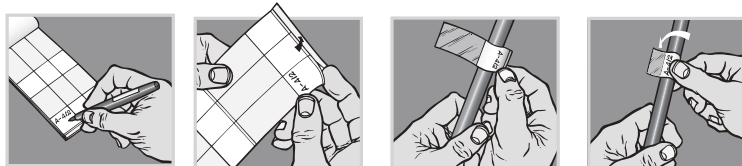
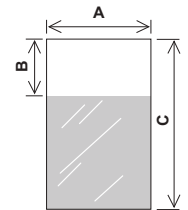



## TAB

**Material:** PVC transparent  
**Operating temperatures:** -30 to +80°C  
**Temperatures of application:** +5 to +40°C  
**Adhesive:** acryl  
**Adhesion on steel:** >4 N/cm  
**Ultimate elongation:** 150 %  
**Strip thickness:** 120 µm  
**Specification:**  
 - Marking by hand  
 - Self protection by foil strip.  
 - Resistant to oils and light solvents.



| type              | artide number | dimensions of the strip<br>A x C (mm) | for cable<br>Ø (mm) | printing surface<br>A x B (mm) | quantity of strips/book |  |
|-------------------|---------------|---------------------------------------|---------------------|--------------------------------|-------------------------|---|
| TAB 75 EV 25-75   | 0307 0052 000 | 25 x 75                               | 8 - 14              | 25 x 25                        | 60                      | 1   |
| TAB 150 EV 25-150 | 0307 0051 000 | 25 x 150                              | 8 - 38              | 25 x 25                        | 30                      | 1   |
| TAB 230 EV 25-230 | 0307 0050 000 | 25 x 230                              | 8 - 63              | 25 x 25                        | 30                      | 1   |



 B1/7-01



# SES-EV code marker sheet

## Self adhesive, self protected EV strips unprinted with white marking area



SES-EV  
Quality EV



### SES-EV

**Material:** PVC

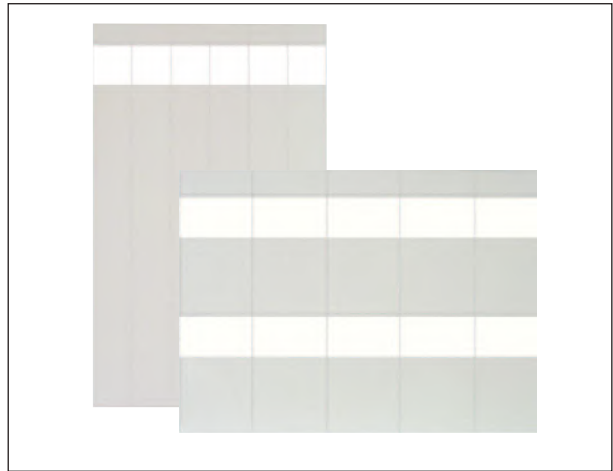
**Operating temperatures:** -30 to +80°C  
**Temperatures of application:** +5 to +40°C


**Adhesive:** acryl  
**Adhesion on steel:** >4 N/cm

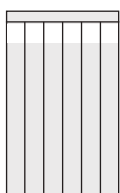
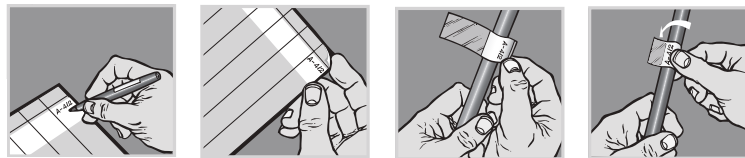
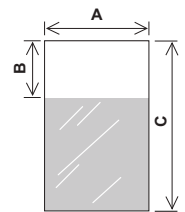
**Ultimate elongation:** 150 %  
**Strip thickness:** 110 µm

**Specification:**

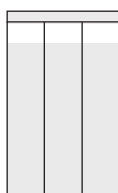
- Marking by hand.
- Self protection by foil strip.
- Resistant to oils and light solvents.



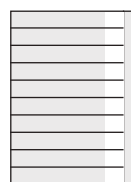
| type         | artide number | dimensions of the strip A x C (mm) | for cables of Ø (mm) | printing surface A x B (mm) | quantity of strips/sheet | dimension of the sheet (mm) |  |
|--------------|---------------|------------------------------------|----------------------|-----------------------------|--------------------------|-----------------------------|---|
| EV 25-230-6  | 0307 0071 000 | 25 x 230                           | 8 - 63               | 25 x 25                     | 6                        | 150 x 245                   | 10  |
| EV 50-230-3  | 0307 0072 000 | 50 x 230                           | 8 - 63               | 50 x 25                     | 3                        | 150 x 245                   | 10  |
| EV 23-150-10 | 0307 0073 000 | 23 x 150                           | 8 - 38               | 23 x 25                     | 10                       | 165 x 230                   | 10  |
| EV 46-150-5  | 0307 0074 000 | 46 x 150                           | 8 - 38               | 46 x 25                     | 5                        | 165 x 230                   | 10  |
| EV 23-75-20  | 0307 0075 000 | 23 x 75                            | 8 - 14               | 23 x 25                     | 20                       | 165 x 230                   | 10  |
| EV 46-75-10  | 0307 0076 000 | 46 x 75                            | 8 - 14               | 46 x 25                     | 10                       | 165 x 230                   | 10  |
| EV 23-38-40  | 0307 0077 000 | 23 x 38                            | 3 - 8                | 23 x 10                     | 40                       | 165 x 230                   | 10  |



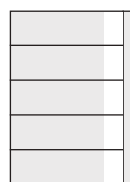
EV 25-230-6



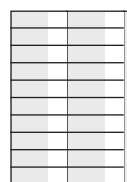
EV 50-230-3



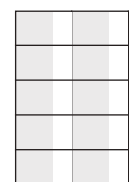
EV 23-150-10



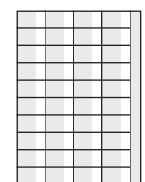
EV 46-150-5



EV 23-75-20



EV 46-75-10



EV 23-38-40

**SES-EV code marker sheet**  
**Self adhesive, self protected EV strips unprinted**  
**LASER printable**

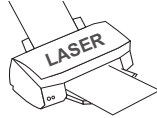


**SES-EV**  
**Quality EV**

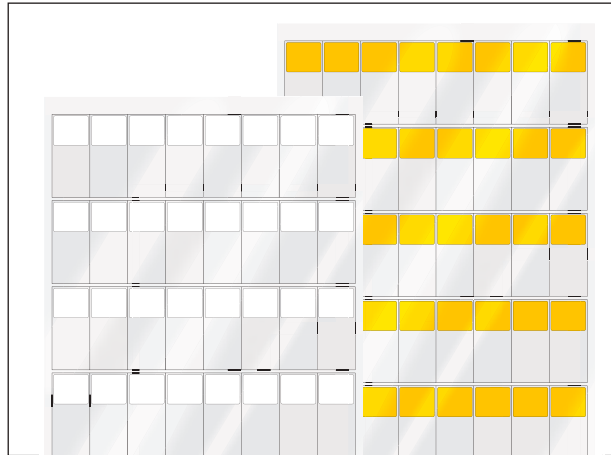


**SES-EV**

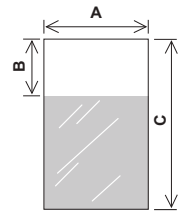
**Material:** PET  
**Operating temperatures:** -40 to +125°C  
**Temperatures of application:** +10 to +40°C  
**Adhesive:** acryl  
**Adhesion on steel:** >3 N/cm  
**Strip thickness:** 80 µm  
**Dimension of the sheet:** A4 (210 x 297 mm)  
**Colours:** white - yellow



- Specification:**
- Marking by laser printer.
  - Self protection by foil strip.
  - Resistant to oils and light solvents.



| type                | article number |               | dimension of the strip<br>A x C (mm) | maxi. Ø of the cable<br>mm | printing surface<br>A x B (mm) | quantity of strips/sheet |    |
|---------------------|----------------|---------------|--------------------------------------|----------------------------|--------------------------------|--------------------------|----|
|                     | white<br>001   | yellow<br>004 |                                      |                            |                                |                          |    |
| <b>EV 25-35-64</b>  | 0307 0100 001  | 0307 0100 004 | 25 x 35,5                            | 7                          | 25 x 12,7                      | 64                       | 10 |
| <b>EV 25-57-40</b>  | 0307 0101 001  | 0307 0101 004 | 25 x 57                              | 12                         | 25 x 19                        | 40                       | 10 |
| <b>EV 25-95-24</b>  | 0307 0102 001  | 0307 0102 004 | 25 x 95                              | 21                         | 25 x 25,4                      | 24                       | 10 |
| <b>EV 25-142-16</b> | 0307 0103 001  | 0307 0103 004 | 25 x 142                             | 36                         | 25 x 25,4                      | 16                       | 10 |
| <b>EV 34-95-18</b>  | 0307 0104 001  | 0307 0104 004 | 34 x 95                              | 21                         | 34 x 25,4                      | 18                       | 10 |
| <b>EV 50-57-20</b>  | 0307 0105 001  | 0307 0105 004 | 50 x 57                              | 12                         | 50 x 19                        | 20                       | 10 |
| <b>EV 50-95-12</b>  | 0307 0106 001  | 0307 0106 004 | 50 x 95                              | 21                         | 50 x 25,4                      | 12                       | 10 |
| <b>EV 50-142-8</b>  | 0307 0107 001  | 0307 0107 004 | 50 x 142                             | 36                         | 50 x 25,4                      | 8                        | 10 |



You can download the printing software PLIOMARK-PRINT for these labels on our web site:  
[www.ses-sterling.com](http://www.ses-sterling.com), choose **Products**, then **Software and Media**.

# Marking sleeves M-MARKERS without print



M-MARKERS




## M-MARKERS

|                                   |              |
|-----------------------------------|--------------|
| <b>Material:</b>                  | flexible PVC |
| <b>Colour:</b>                    | white        |
| <b>Operating temperatures:</b>    | -20 to +90°C |
| <b>Hardness Shore A:</b>          | 80 ± 5       |
| <b>Tensile strength at break:</b> | 18 MPa       |
| <b>Ultimate elongation:</b>       | 250 %        |
| <b>Dielectric strength:</b>       | >20 kV/mm    |
| <b>Flame resistance:</b>          | V0 UL94      |

**Applications:** Marking of wire and cables from 2,8 to 7,9 mm ext. Ø. Used with our self-protected EV-labels or all other labels, these sleeves allow a fast and reusable cable marking.



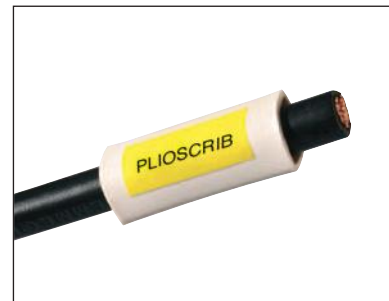
| type      | artide number | for cables Ø<br>mm | sections<br>mm <sup>2</sup> | length<br>mm |  |
|-----------|---------------|--------------------|-----------------------------|--------------|---|
| M-40 x 30 | 0362 0327 001 | 2,8 - 4,2          | 1,5 - 2,5 - 4               | 30           | 1000  |
| M-50 x 30 | 0362 0328 001 | 3,4 - 4,9          | 4 - 6                       | 30           | 1000  |
| M-60 x 30 | 0362 0329 001 | 3,9 - 5,7          | 6 - 10                      | 30           | 1000  |
| M-65 x 30 | 0362 0330 001 | 4,2 - 6,6          | 10 -16                      | 30           | 1000  |
| M-80 x 30 | 0362 0331 001 | 4,6 - 7,9          | 16                          | 30           | 1000  |



Code marker cards with strips  
TEV



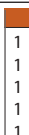
Self-adhesive, self protected strips  
SES-EV



Self adhesive label  
PLIOSCRIB



B1/4-01



B1/9-04



B13/21-02





EZ protecting varnish can be applied with a spray gun or a brush. Use the very soft brush in the lid to avoid mechanical damage of SES-MARKERS printing.


It is not to be used in the proximity of fire or an incandescent source, and working premises must be well ventilated.

All safety regulations relative to solvent containing lacquers or flammable liquids are to be respected when using EZ protective varnish.

• **SES-MARKERS protective varnish**

The film remaining after the solvents of the varnish have evaporated offers high adhesion, is odourless, flexible and perfectly transparent. It offers very good resistance to abrasion, heat, light and damp.

EZ varnish protects SES-MARKERS strips from dirt.

| type                | article number |  | pack   |
|---------------------|----------------|---|--|
| SES-MARKERS varnish | 0706 0001 000  | 1   | in a can of 0,25 liter with brush in the lid |




• **Protective varnish SES-LACK**

Especially conceived in respect of the safety requirements of the users (directive 67/548/CE and decree CMR 2001-37)

This varnish, the formulation of which was especially established using solvents "not poisons", brings to SES-MARKERS marker cards a completely transparent over-protection. It leaves a film, not yellowing, which is not scaled and does not crack.

It prevents corrosion, and provides an additional protection with respect to the harmful atmospheric agents (moisture, salt spray).

Especially formulated in respect of the directives on the dangerous products, the SES-LACK varnish can be used safely, in accordance with the requirements of safety standard relating to the use of lacquers or flammable liquids (refer to safety data card).

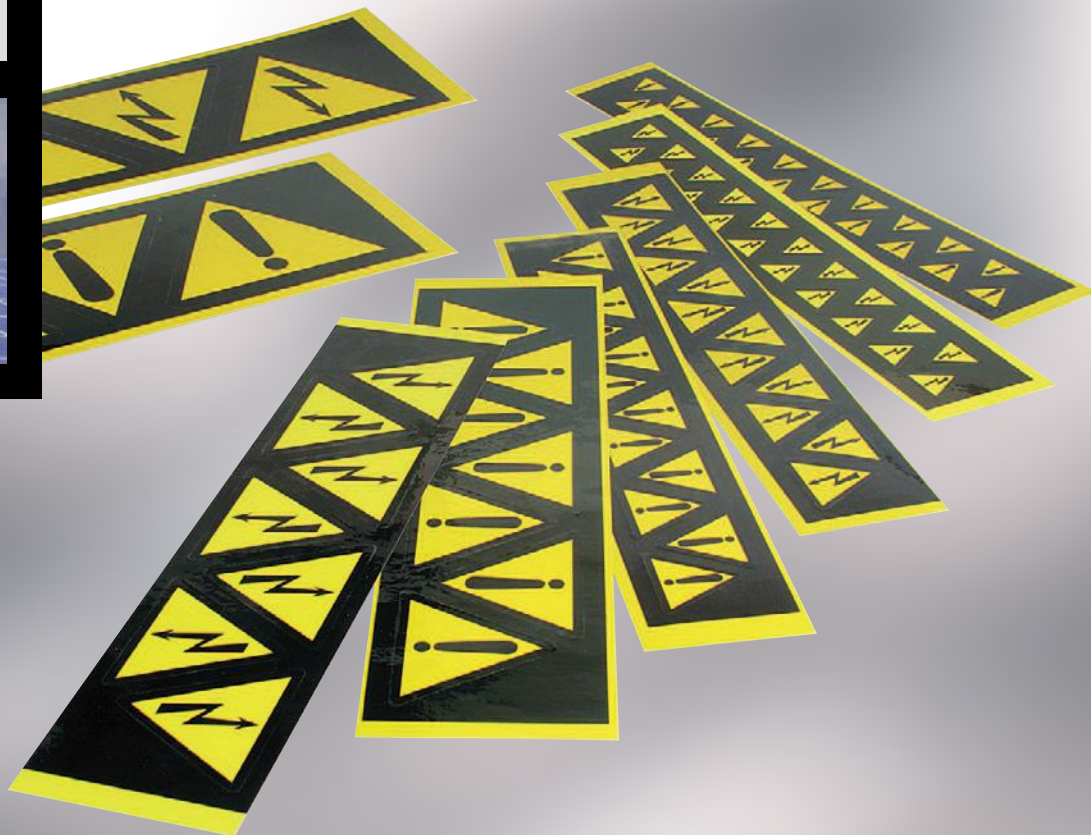
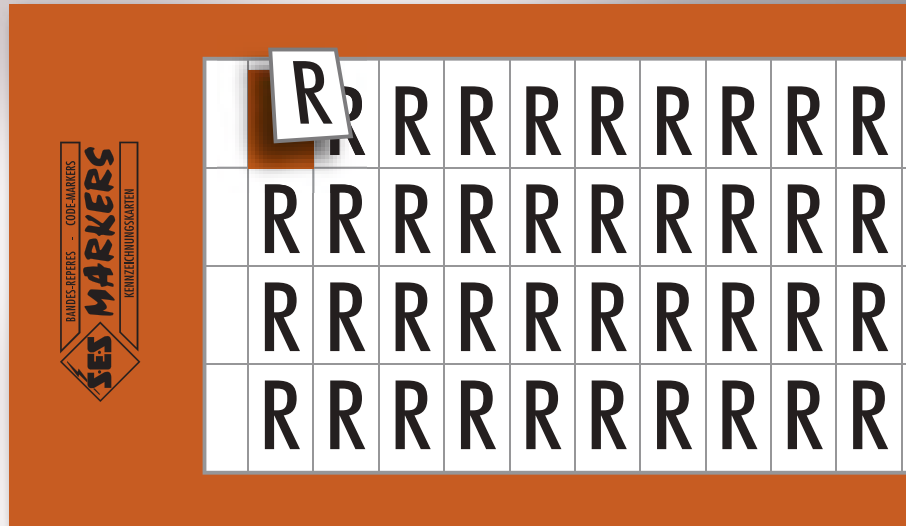
| type             | article number |  | pack                          |
|------------------|----------------|---|-------------------------------|
| SES-LACK varnish | 0706 0011 000  | 1   | bottle of 50 ml without brush |





# B2

## Code marker cards with strips







Building on our great experience with SES-MARKERS-code marker cards as wire markers, we have developed Vinyl covered cotton labels in the "SPOT-IT" series with the following properties:

Label protection with semi-rigid support cards on which markers are attached.

Labels can usually be removed without contamination of the adhesive due to a break-off tab or a pre-cut support.

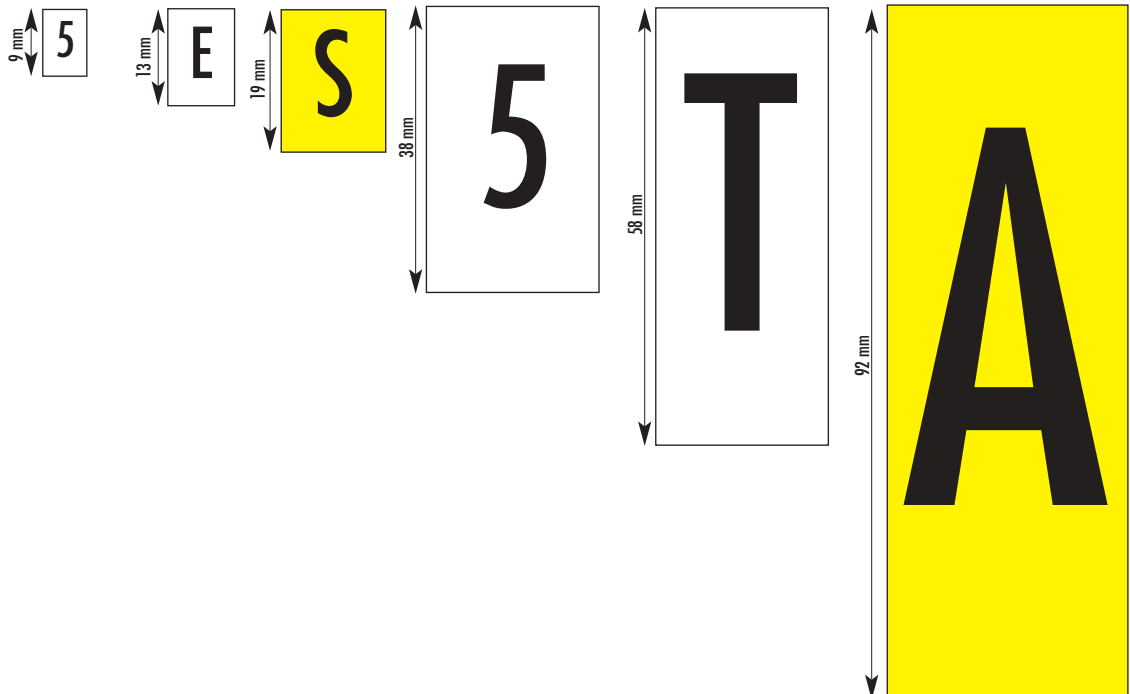
The support card is processed so that small and large labels can be easily removed.

"SPOT-IT" markers are available in many different standard sizes (detail in the following pages).

"SPOT-IT" markers can also be supplied in special sizes for a minimum order quantity of 10 per size and print.

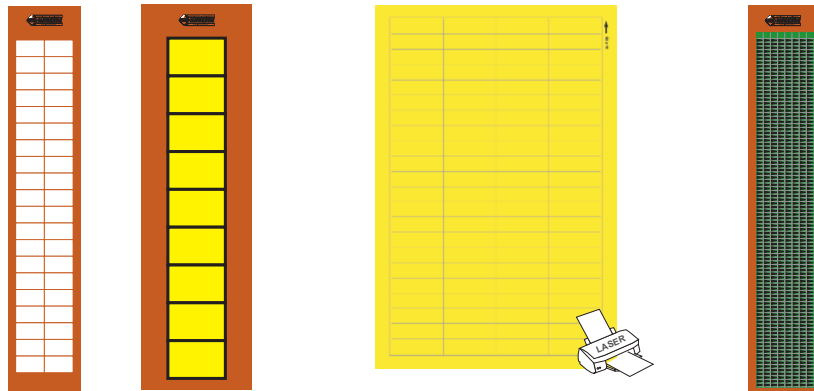
| page                         | B2/1            | B2/2                                    | B2/3                          | B2/4               | B2/5               | B2/6                          |
|------------------------------|-----------------|---|-------------------------------|--------------------|--------------------|-------------------------------|
| type                         | <b>S9</b>       | <b>S13</b>                              | <b>S19</b>                    | <b>S38</b>         | <b>S58</b>         | <b>S92</b>                    |
| standard colour of the strip | white<br>yellow | white<br>yellow                         | white<br>yellow               | white<br>yellow    | white<br>yellow    | white<br>yellow               |
| dimension of the strip (mm)* | 6 x 9<br>9 x 9  | 9 x 13<br>11 x 13<br>15 x 13<br>16 x 13 | 14 x 19<br>16 x 19<br>19 x 19 | 23 x 38<br>32 x 38 | 23 x 58<br>29 x 58 | 32 x 92<br>38 x 92<br>45 x 92 |

\* according to the legend.



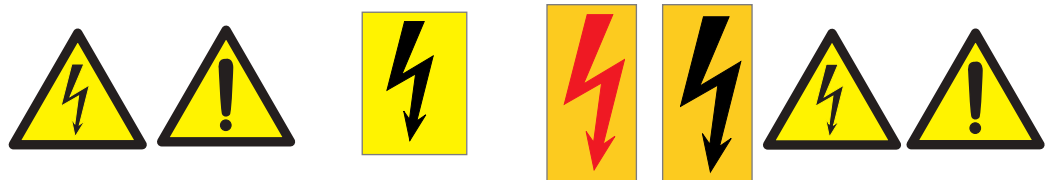


|                               |                                     |   |                    |   |  |  |
|-------------------------------|-------------------------------------|---|--------------------|---|--|--|
| page                          | B2/7                                |   |                    |   |  |  |
| type                          | Code marker cards SPOT-IT unprinted |   |                    | Code marker sheets SPOT-IT unprinted  | Code marker cards SPOT-IT printed circuit boards |  |
|                               | S19                                 | S38   | S58                |   |  |  |
| colour of the strip           | white - yellow                      |   |                    | yellow  | white - blue - green<br>yellow - red             |  |
| dimension of the strips (mm)* | 19 x 11                             | 38 x 6<br>38 x 9<br>38 x 11<br>38 x 16<br>38 x 23 | 58 x 13<br>58 x 23 | 12 x 9<br>15 x 9<br>18 x 6<br>19 x 11<br>20 x 8<br>28 x 11<br>38 x 11<br>56 x 22<br>60 x 34 | 2,45 x 4,75                                      |  |



|                               |  |  |   |  |
|-------------------------------|--|--|---|--|
| page                          | B2/7   |  | B2/8  |  |
| type                          | Code marker cards SPOT-IT high tension danger / danger triangular labels | Code marker cards SPOT-IT high tension danger                            | Labels MYLAR high tension danger  | Code marker cards MYLAR high tension danger / danger triangular labels |
|                               | yellow   | yellow   | yellow  | yellow   |
| dimension of the strips (mm)* | Heights<br>16<br>24<br>42<br>80  | 5 x 7,5<br>9 x 13<br>14 x 19<br>20 x 38<br>25 x 58<br>35 x 92<br>54 x 92 | 14 x 19<br>12 x 24<br>16 x 30<br>21 x 38<br>22 x 45<br>26 x 58<br>32 x 70<br>40 x 88<br>50 x 110<br>60 x 135<br>75 x 170<br>91 x 214<br>120 x 262 | Heights<br>16<br>24<br>42<br>80  |

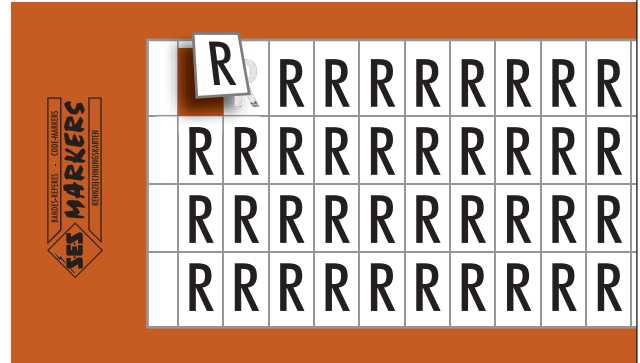
\* according to type.





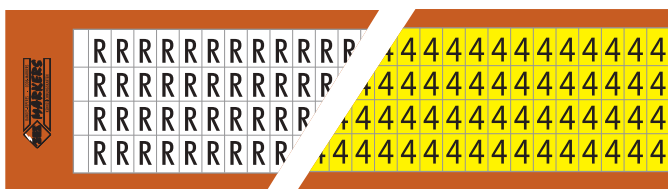
**S 9**

**Material:** TEV vinyle covered cotton  
**Operating temperatures:** -30 to +105°C (class A)  
 -40 to +150°C (short duration)  
**Temperature of application:** +10 to +40°C  
**Adhesive:** special thermal setting adhesive  
**Adherence on steel:** 2,5 N/cm  
**Tensile strength at break:** 80 N/cm  
  
**Dimension of the card:** 255 x 48 mm  
**Print height:** 6,3 mm  
  
**Quantity strips per card:** 100 to 152 (according to legend)  
**Strip size:** 6 to 9 x 9 mm (according to legend)  
**Strip thickness:** 0,30 mm  
**Standard colours:** white - yellow  
  
**Pack:** 10 cards same legend (for smaller quantities an extra charge will be applied).

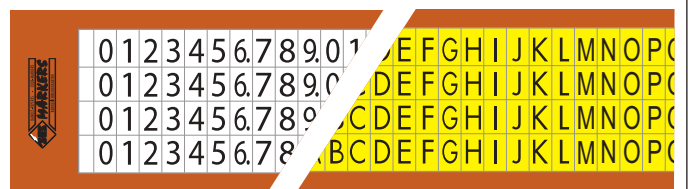


**• Product information**

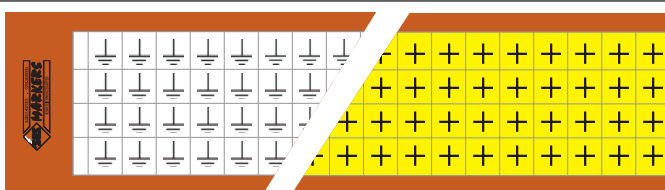
Figures and letters repeated



Figures and letters in series



Symbols repeated





Article number white strip

| code group | detail article | code colour | code legend |
|------------|----------------|-------------|-------------|
| 0301       | 0013           | 001         | x x x x     |

Example for order:

Strip S9 white - legend 5

|      |      |     |   |
|------|------|-----|---|
| 0301 | 0013 | 001 | 5 |
|------|------|-----|---|

5

6 x 9 mm

Article number yellow strip

| code group | detail article | code colour | code legend |
|------------|----------------|-------------|-------------|
| 0301       | 0013           | 004         | x x x x     |

Strip S9 yellow - legend 0 → 9.

|      |      |     |       |
|------|------|-----|-------|
| 0301 | 0013 | 004 | 0 - 9 |
|------|------|-----|-------|

M

9 x 9 mm

| legend | code legend | number strips /card | legend | code legend | number strips /card | legend | code legend | number strips /card |
|--------|-------------|---------------------|--------|-------------|---------------------|--------|-------------|---------------------|
| 0      | 0           | 152                 | A      | A           | 152                 | A → Z  | A-Z         | 148                 |
| 1      | 1           | 152                 | B      | B           | 152                 | 0 → 9. | 0-9         | 152                 |
| 2      | 2           | 152                 | C      | C           | 152                 |        |             |                     |
| 3      | 3           | 152                 | D      | D           | 152                 | +      | +           | 100                 |
| 4      | 4           | 152                 | E      | E           | 152                 | -      | -           | 100                 |
| 5      | 5           | 152                 | F      | F           | 152                 | ⊥      | TERN        | 100                 |
| 6.     | 6           | 152                 | G      | G           | 152                 | ⊥      | TERV        | 100                 |
| 7      | 7           | 152                 | H      | H           | 152                 | ⊕      | TEPN        | 100                 |
| 8      | 8           | 152                 | I      | I           | 152                 | ⊕      | TEPV        | 100                 |
| 9.     | 9           | 152                 | J      | J           | 152                 | ⚡      | MAS         | 100                 |
|        |             |                     | K      | K           | 152                 |        |             |                     |
|        |             |                     | L      | L           | 152                 |        |             |                     |
|        |             |                     | M      | M           | 100                 |        |             |                     |
|        |             |                     | N      | N           | 152                 |        |             |                     |
|        |             |                     | O      | O           | 152                 |        |             |                     |
|        |             |                     | P      | P           | 152                 |        |             |                     |
|        |             |                     | Q      | Q           | 152                 |        |             |                     |
|        |             |                     | R      | R           | 152                 |        |             |                     |
|        |             |                     | S      | S           | 152                 |        |             |                     |
|        |             |                     | T      | T           | 152                 |        |             |                     |
|        |             |                     | U      | U           | 152                 |        |             |                     |
|        |             |                     | V      | V           | 152                 |        |             |                     |
|        |             |                     | W      | W           | 100                 |        |             |                     |
|        |             |                     | X      | X           | 152                 |        |             |                     |
|        |             |                     | Y      | Y           | 152                 |        |             |                     |
|        |             |                     | Z      | Z           | 152                 |        |             |                     |

Other legends upon request with a minimum of order of 10 cards.

**S 13**

**Material:** TEV vinyle covered cotton

**Operating temperatures:** -30 to +105°C (class A)  
-40 to +150°C (short duration)

**Temperatures of application:** +10 to +40°C

**Adhesive:** special thermal setting adhesive

**Adherence on steel:** 2,5 N/cm

**Tensile strength at break:** 80 N/cm

**Dimension of the card:** 255 x 48 mm

**Print height:** 9 mm

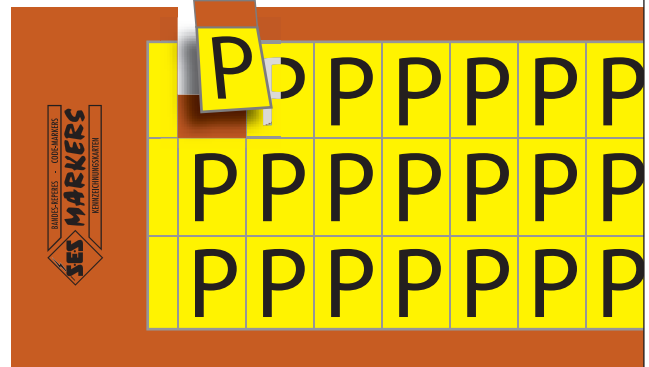
**Quantity strips per card:** 42 to 78 (according to legend)

**Strip size:** 9 to 16 x 13 mm (according to legend)

**Strip thickness:** 0,30 mm

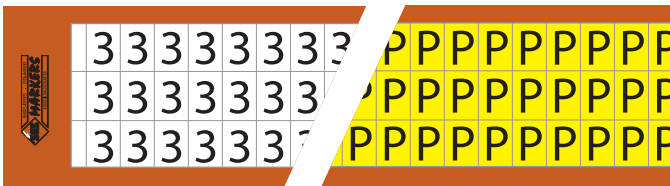
**Standard colours:** white - yellow

**Pack:** 10 cards same legend (for smaller quantities an extra charge will be applied).

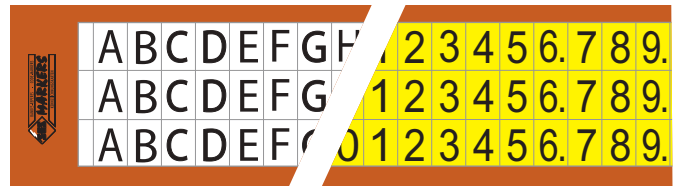


• **Product information**

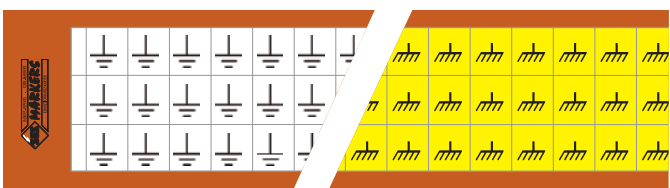
Figures and letters repeated



Figures and letters in series



Symboles repeated





**Article number white strip**

| code group | detail article | code colour | code legend |
|------------|----------------|-------------|-------------|
| 0301       | 0003           | 001         | x x x x     |

**Article number yellow strip**

| code group | detail article | code colour | code legend |
|------------|----------------|-------------|-------------|
| 0301       | 0003           | 004         | x x x x     |

Example for order:

Strip S13 white - legend D

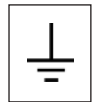
|      |      |     |   |
|------|------|-----|---|
| 0301 | 0003 | 001 | D |
|------|------|-----|---|

Strip S13 yellow - legend CE

|      |      |     |    |
|------|------|-----|----|
| 0301 | 0003 | 004 | CE |
|------|------|-----|----|



9 x 13 mm



11 x 13 mm



15 x 13 mm



16 x 13 mm

| legend | code legend | quantity strips /card | legend | code legend | quantity strips /card | legend | code legend | quantity strips /card |
|--------|-------------|-----------------------|--------|-------------|-----------------------|--------|-------------|-----------------------|
| 0      | 0           | 78                    | A      | A           | 78                    | A → Z  | A-Z         | 78                    |
| 1      | 1           | 78                    | B      | B           | 78                    | 0 → 9. | 0-9         | 78                    |
| 2      | 2           | 78                    | C      | C           | 78                    |        |             |                       |
| 3      | 3           | 78                    | D      | D           | 78                    |        | TERN        | 60                    |
| 4      | 4           | 78                    | E      | E           | 78                    |        | TERV        | 60                    |
| 5      | 5           | 78                    | F      | F           | 78                    |        | TEPN        | 60                    |
| 6.     | 6           | 78                    | G      | G           | 78                    |        | TEPV        | 60                    |
| 7      | 7           | 78                    | H      | H           | 78                    |        | MAS         | 60                    |
| 8      | 8           | 78                    | I      | I           | 78                    |        | CE          | 45                    |
| 9.     | 9           | 78                    | J      | J           | 78                    |        | EQUI        | 60                    |
| 10     | 10          | 42                    | K      | K           | 78                    |        |             |                       |
| 11     | 11          | 42                    | L      | L           | 78                    |        |             |                       |
| 12     | 12          | 42                    | M      | M           | 60                    |        |             |                       |
| 13     | 13          | 42                    | N      | N           | 78                    |        |             |                       |
| 14     | 14          | 42                    | O      | O           | 78                    |        |             |                       |
| 15     | 15          | 42                    | P      | P           | 78                    |        |             |                       |
| 16     | 16          | 42                    | Q      | Q           | 78                    |        |             |                       |
| 17     | 17          | 42                    | R      | R           | 78                    |        |             |                       |
| 18     | 18          | 42                    | S      | S           | 78                    |        |             |                       |
| 19     | 19          | 42                    | T      | T           | 78                    |        |             |                       |
| 20     | 20          | 42                    | U      | U           | 78                    |        |             |                       |
| 21     | 21          | 42                    | V      | V           | 78                    |        |             |                       |
| 22     | 22          | 42                    | W      | W           | 60                    |        |             |                       |
| 23     | 23          | 42                    | X      | X           | 78                    |        |             |                       |
| 24     | 24          | 42                    | Y      | Y           | 78                    |        |             |                       |
| 25     | 25          | 42                    | Z      | Z           | 78                    |        |             |                       |
| 26     | 26          | 42                    |        |             |                       |        |             |                       |

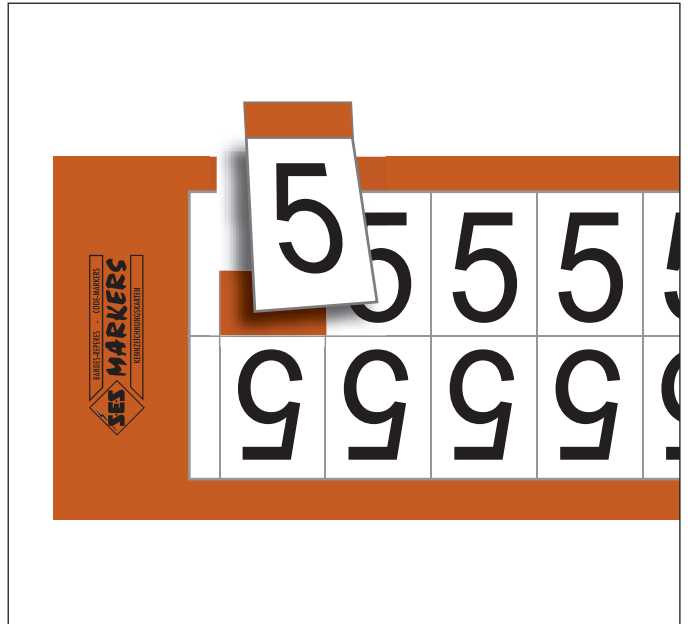
Other legends upon request with a minimum of order of 10 cards.





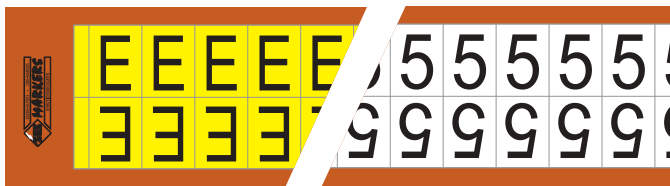
**S 19**

**Material:** TEV vinyle covered cotton  
**Operating temperatures:** -30 to +105°C (class A)  
 -40 to +150°C (short duration)  
**Temperatures of application:** +10 to +40°C  
**Adhesive:** special thermal setting adhesive  
**Adherence on steel:** 2,5 N/cm  
**Tensile strength at break:** 80 N/cm  
  
**Dimension of the card:** 255 x 48 mm  
**Print height:** 15 mm  
  
**Quantity strips per card:** 24 to 32 (according to legend)  
**Strip size:** 14, 16 and 19 x 19 mm  
 (according to legend)  
**Strip thickness:** 0,30 mm  
**Standard colours:** white - yellow  
  
**Pack:** 10 cards same legend (for smaller quantities an extra charge will be applied).



• **Product information**

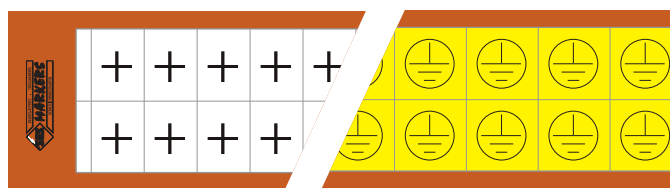
Figures and letters repeated



Figures and letters in series



Symbols repeated



# Code marker cards SES-MARKERS

S 19 printed

White or yellow strip, black print



SES-MARKERS

Quality TEV



## Article number white strip

| code group | détail article | code colour | code legend |
|------------|----------------|-------------|-------------|
| 0301       | 0004           | 001         | XXXX        |

## Article number yellow strip

| code group | détail article | code colour | code legend |
|------------|----------------|-------------|-------------|
| 0301       | 0004           | 004         | XXXX        |

Example for order:

Strip S19 white - legend S

|      |      |     |   |
|------|------|-----|---|
| 0301 | 0004 | 001 | S |
|------|------|-----|---|

Strip S19 yellow - legend protected earth

|      |      |     |      |
|------|------|-----|------|
| 0301 | 0004 | 004 | TEPV |
|------|------|-----|------|



14 x 19 mm



16 x 19 mm



19 x 19 mm

| legend | code legend | number strips /card | legend | code legend | number strips /card | legend | code legend | number strips /card |
|--------|-------------|---------------------|--------|-------------|---------------------|--------|-------------|---------------------|
| 0      | 0           | 32                  | A      | A           | 32                  | A → Z  | A-Z         | 32                  |
| 1      | 1           | 32                  | B      | B           | 32                  | 0 → 9. | 0-9         | 32                  |
| 2      | 2           | 32                  | C      | C           | 32                  |        |             |                     |
| 3      | 3           | 32                  | D      | D           | 32                  | +      | +           | 32                  |
| 4      | 4           | 32                  | E      | E           | 32                  | -      | -           | 32                  |
| 5      | 5           | 32                  | F      | F           | 32                  | ⏏      | TERN        | 32                  |
| 6.     | 6           | 32                  | G      | G           | 32                  | ⏏      | TERV        | 32                  |
| 7      | 7           | 32                  | H      | H           | 32                  | ⏏      | TEPN        | 24                  |
| 8      | 8           | 32                  | I      | I           | 32                  | ⏏      | TEPV        | 24                  |
| 9.     | 9           | 32                  | J      | J           | 32                  | CE     | CE          | 32                  |
|        |             |                     | K      | K           | 32                  | ⏏      | EQUI        | 32                  |
|        |             |                     | L      | L           | 32                  |        |             |                     |
|        |             |                     | M      | M           | 32                  |        |             |                     |
|        |             |                     | N      | N           | 32                  |        |             |                     |
|        |             |                     | O      | O           | 32                  |        |             |                     |
|        |             |                     | P      | P           | 32                  |        |             |                     |
|        |             |                     | Q      | Q           | 32                  |        |             |                     |
|        |             |                     | R      | R           | 32                  |        |             |                     |
|        |             |                     | S      | S           | 32                  |        |             |                     |
|        |             |                     | T      | T           | 32                  |        |             |                     |
|        |             |                     | U      | U           | 32                  |        |             |                     |
|        |             |                     | V      | V           | 32                  |        |             |                     |
|        |             |                     | W      | W           | 28                  |        |             |                     |
|        |             |                     | X      | X           | 32                  |        |             |                     |
|        |             |                     | Y      | Y           | 32                  |        |             |                     |
|        |             |                     | Z      | Z           | 32                  |        |             |                     |

Other legends upon request with a minimum of order of 10 cards.

**S 38**

**Material:** TEV vinyle covered cotton  
**Operating temperatures:** -30 to +105°C (class A)  
 -40 to +150°C (short duration)  
**Temperatures of application:** +10 to +40°C  
**Adhesive:** special thermal setting adhesive  
**Adherence on steel:** 2,5 N/cm  
**Tensile strength at break:** 80 N/cm  
  
**Dimension of the card:** 255 x 48 mm  
**Print height:** 25 mm  
  
**Strips per card:** 7 and 10 (according to legend)  
**Strip size:** 23 to 32 x 38 mm (according to legend)  
**Strip thickness:** 0,30 mm  
**Standard colours:** white - yellow  
  
**Pack:** 10 cards same legend (for smaller quantities an extra charge will be applied).



• **Product information**

Figures and letters repeated



Figures and letters in series



Symbols repeated





Article number white strip

| code group | detail article | code colour | code legend |
|------------|----------------|-------------|-------------|
| 0301       | 0005           | 001         | x x x x     |

Article number yellow strip

| code group | detail article | code colour | code legend |
|------------|----------------|-------------|-------------|
| 0301       | 0005           | 004         | x x x x     |

Example for order:

Strip S38 white - legend 5

|   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 3 | 0 | 1 | 0 | 0 | 0 | 5 | 0 | 0 | 1 | 5 |
|---|---|---|---|---|---|---|---|---|---|---|---|

Strip S38 yellow - legend L1

|   |   |   |   |   |   |   |   |   |   |   |    |
|---|---|---|---|---|---|---|---|---|---|---|----|
| 0 | 3 | 0 | 1 | 0 | 0 | 0 | 5 | 0 | 0 | 4 | L1 |
|---|---|---|---|---|---|---|---|---|---|---|----|

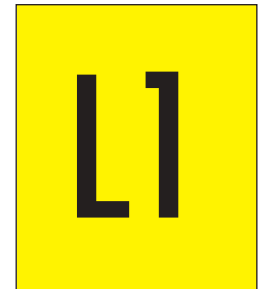


23 x 38 mm

| legend | code legend | number strips /card | legend | code legend | number strips /card | legend | code legend | number strips /card |
|--------|-------------|---------------------|--------|-------------|---------------------|--------|-------------|---------------------|
| 0      | 0           | 10                  | A      | A           | 10                  | A → J  | A-J         | 10                  |
| 1      | 1           | 10                  | B      | B           | 10                  | K → T  | K-T         | 10                  |
| 2      | 2           | 10                  | C      | C           | 10                  | U → Z  | U-Z         | 10                  |
| 3      | 3           | 10                  | D      | D           | 10                  | 0 → 9. | 0-9         | 10                  |
| 4      | 4           | 10                  | E      | E           | 10                  |        |             |                     |
| 5      | 5           | 10                  | F      | F           | 10                  | +      | +           | 10                  |
| 6.     | 6           | 10                  | G      | G           | 10                  | -      | -           | 10                  |
| 7      | 7           | 10                  | H      | H           | 10                  | ⏏      | TERN        | 10                  |
| 8      | 8           | 10                  | I      | I           | 10                  | ⏏      | TERV        | 10                  |
| 9.     | 9           | 10                  | J      | J           | 10                  | ⏏      | TEPN        | 10                  |
| 10     | 10          | 7                   | K      | K           | 10                  | ⏏      | TEPV        | 10                  |
|        |             |                     | L      | L           | 10                  | ⏏      | EQUI        | 10                  |
|        |             |                     | M      | M           | 10                  |        |             |                     |
|        |             |                     | N      | N           | 10                  | L1     | L1          | 7                   |
|        |             |                     | O      | O           | 10                  | L2     | L2          | 7                   |
|        |             |                     | P      | P           | 10                  | L3     | L3          | 7                   |
|        |             |                     | Q      | Q           | 10                  |        |             |                     |
|        |             |                     | R      | R           | 10                  |        |             |                     |
|        |             |                     | S      | S           | 10                  |        |             |                     |
|        |             |                     | T      | T           | 10                  |        |             |                     |
|        |             |                     | U      | U           | 10                  |        |             |                     |
|        |             |                     | V      | V           | 10                  |        |             |                     |
|        |             |                     | W      | W           | 10                  |        |             |                     |
|        |             |                     | X      | X           | 10                  |        |             |                     |
|        |             |                     | Y      | Y           | 10                  |        |             |                     |
|        |             |                     | Z      | Z           | 10                  |        |             |                     |



23 x 38 mm



32 x 38 mm

Other legends upon request with a minimum of order of 10 cards.

**S 58**

|                                     |  |
|-------------------------------------|--|
| <b>Material:</b>                    | TEV vinyle covered cotton  |
| <b>Operating temperatures:</b>      | -30 to +105°C (class A)<br>-40 to +150°C (short duration)                      |
| <b>Temperatures of application:</b> | +10 to +40°C   |
| <b>Adhesive:</b>                    | special thermal setting adhesive   |
| <b>Adherence on steel:</b>          | 2,5 N/cm   |
| <b>Tensile strength at break:</b>   | 80 N/cm  |
| <b>Dimension of the card:</b>       | 255 x 75 mm  |
| <b>Print height:</b>                | 45 mm  |
| <b>Quantity strips per card:</b>    | 8 to 10 (according to legend)  |
| <b>Strip size:</b>                  | 23 and 29 x 58 mm (according to legend)  |
| <b>Strip thickness:</b>             | 0,30 mm  |
| <b>Standard colours:</b>            | white - yellow   |
| <b>Pack:</b>                        | 10 cards same legend (for smaller quantities an extra charge will be applied). |



• **Product information**

Figures and letters repeated



Figures and letters in series



Legend for voltage repeated





Article number white strip

| code group | detail article | code colour | code legend |
|------------|----------------|-------------|-------------|
| 0301       | 0006           | 001         | x x x x     |

Article number yellow strip

| code group | detail article | code colour | code legend |
|------------|----------------|-------------|-------------|
| 0301       | 0006           | 004         | x x x x     |

Example for order:

Strip S58 white - legend T

|      |      |     |   |
|------|------|-----|---|
| 0301 | 0006 | 001 | T |
|------|------|-----|---|

Strip S58 yellow - legend 230V

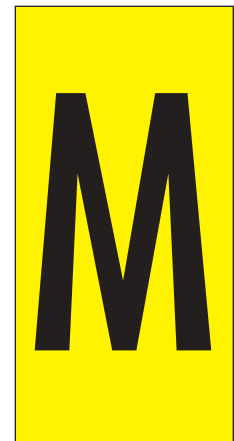
|      |      |     |      |
|------|------|-----|------|
| 0301 | 0006 | 004 | 230V |
|------|------|-----|------|



23 x 58

| legend | code legend | number strips /card | legend | code legend | number strips /card | legend | code legend | number strips /card |
|--------|-------------|---------------------|--------|-------------|---------------------|--------|-------------|---------------------|
| 0      | 0           | 10                  | A      | A           | 10                  | A → J  | A-J         | 10                  |
| 1      | 1           | 10                  | B      | B           | 10                  | K → T  | K-T         | 10                  |
| 2      | 2           | 10                  | C      | C           | 10                  | U → Z  | U-Z         | 10                  |
| 3      | 3           | 10                  | D      | D           | 10                  | 0 → 9. | 0-9         | 10                  |
| 4      | 4           | 10                  | E      | E           | 10                  |        |             |                     |
| 5      | 5           | 10                  | F      | F           | 10                  | 110V*  | 110V        | 10                  |
| 6.     | 6           | 10                  | G      | G           | 10                  | 220V*  | 220V        | 10                  |
| 7      | 7           | 10                  | H      | H           | 10                  | 230V*  | 230V        | 10                  |
| 8      | 8           | 10                  | I      | I           | 10                  | 380V*  | 380V        | 10                  |
| 9.     | 9           | 10                  | J      | J           | 10                  | 400V*  | 400V        | 10                  |
|        |             |                     | K      | K           | 10                  |        |             |                     |
|        |             |                     | L      | L           | 10                  |        |             |                     |
|        |             |                     | M      | M           | 8                   |        |             |                     |
|        |             |                     | N      | N           | 10                  |        |             |                     |
|        |             |                     | O      | O           | 10                  |        |             |                     |
|        |             |                     | P      | P           | 10                  |        |             |                     |
|        |             |                     | Q      | Q           | 10                  |        |             |                     |
|        |             |                     | R      | R           | 10                  |        |             |                     |
|        |             |                     | S      | S           | 10                  |        |             |                     |
|        |             |                     | T      | T           | 10                  |        |             |                     |
|        |             |                     | U      | U           | 10                  |        |             |                     |
|        |             |                     | V      | V           | 10                  |        |             |                     |
|        |             |                     | W      | W           | 8                   |        |             |                     |
|        |             |                     | X      | X           | 10                  |        |             |                     |
|        |             |                     | Y      | Y           | 10                  |        |             |                     |
|        |             |                     | Z      | Z           | 10                  |        |             |                     |

\* Horizontal print, print height 15 mm.



29 x 58

Other legends upon request with a minimum of order of 10 cards.





**S 92**

|                                     |  |
|-------------------------------------|--|
| <b>Material:</b>                    | TEV vinyle covered cotton  |
| <b>Operating temperatures:</b>      | -30 to +105°C (class A)<br>-40 to +150°C (short duration)                      |
| <b>Temperatures of application:</b> | +10 to +40°C   |
| <b>Adhesive:</b>                    | special thermal setting adhesive   |
| <b>Adherence on steel:</b>          | 2,5 N/cm   |
| <b>Tensile strength at break:</b>   | 80 N/cm  |
| <b>Dimension of the card:</b>       | 255 x 105 mm   |
| <b>Print height:</b>                | 66 mm  |
| <b>Quantity strips per card:</b>    | 5 to 7 (according to legend)   |
| <b>Strip size:</b>                  | 32 to 45 x 92 mm (according to legend)   |
| <b>Strip thickness:</b>             | 0,30 mm  |
| <b>Standard colours:</b>            | white - yellow   |
| <b>Pack:</b>                        | 10 cards same legend (for smaller quantities an extra charge will be applied). |



• **Product information**

Figures and letters repeated



Figures and letters in series



Legends for voltage repeated





Article number white strip

| code group | detail article | code colour | code legend |
|------------|----------------|-------------|-------------|
| 0301       | 0007           | 001         | x x x x     |

Article number yellow strip

| code group | detail article | code colour | code legend |
|------------|----------------|-------------|-------------|
| 0301       | 0007           | 004         | x x x x     |

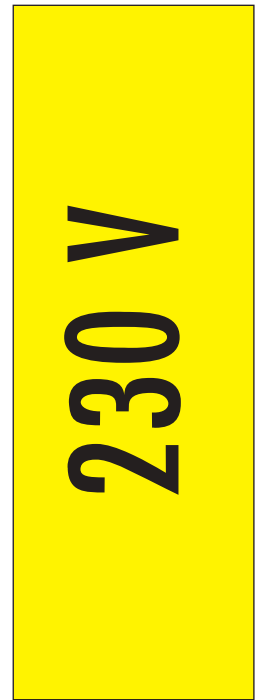
Example for order:

Strip S92 white - legend A

|      |      |     |   |  |  |  |  |
|------|------|-----|---|--|--|--|--|
| 0301 | 0007 | 001 | A |  |  |  |  |
|------|------|-----|---|--|--|--|--|

Strip S92 yellow - legend 0 → 6.

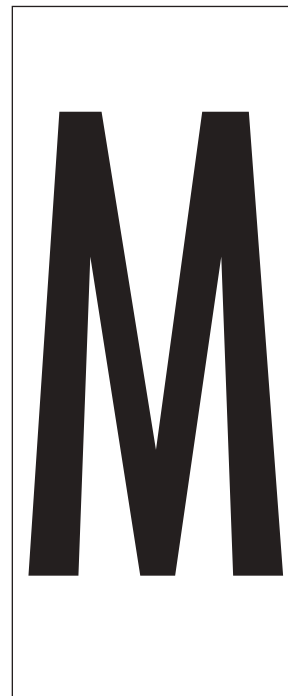
|      |      |     |     |  |  |  |  |
|------|------|-----|-----|--|--|--|--|
| 0301 | 0007 | 004 | 0-6 |  |  |  |  |
|------|------|-----|-----|--|--|--|--|



32 x 92 mm

| legend | code legend | number strips /card | legend | code legend | number strips /card | legend | code legend | number strips /card |
|--------|-------------|---------------------|--------|-------------|---------------------|--------|-------------|---------------------|
| 0      | 0           | 7                   | A      | A           | 7                   | A → G  | A-G         | 7                   |
| 1      | 1           | 7                   | B      | B           | 7                   | H → N  | H-N         | 7                   |
| 2      | 2           | 7                   | C      | C           | 7                   | O → U  | 0-U         | 7                   |
| 3      | 3           | 7                   | D      | D           | 7                   | V → Z  | V-Z         | 5                   |
| 4      | 4           | 7                   | E      | E           | 7                   | 0 → 6. | 0-6         | 7                   |
| 5      | 5           | 7                   | F      | F           | 7                   | 7 → 9. | 7-9         | 6                   |
| 6.     | 6           | 7                   | G      | G           | 7                   |        |             |                     |
| 7      | 7           | 7                   | H      | H           | 7                   | 230V*  | 230V        | 7                   |
| 8      | 8           | 7                   | I      | I           | 7                   | 400V*  | 400V        | 7                   |
| 9.     | 9           | 7                   | J      | J           | 7                   |        |             |                     |
|        |             |                     | K      | K           | 7                   |        |             |                     |
|        |             |                     | L      | L           | 7                   |        |             |                     |
|        |             |                     | M      | M           | 6                   |        |             |                     |
|        |             |                     | N      | N           | 7                   |        |             |                     |
|        |             |                     | O      | O           | 7                   |        |             |                     |
|        |             |                     | P      | P           | 7                   |        |             |                     |
|        |             |                     | Q      | Q           | 7                   |        |             |                     |
|        |             |                     | R      | R           | 7                   |        |             |                     |
|        |             |                     | S      | S           | 7                   |        |             |                     |
|        |             |                     | T      | T           | 7                   |        |             |                     |
|        |             |                     | U      | U           | 7                   |        |             |                     |
|        |             |                     | V      | V           | 7                   |        |             |                     |
|        |             |                     | W      | W           | 5                   |        |             |                     |
|        |             |                     | X      | X           | 7                   |        |             |                     |
|        |             |                     | Y      | Y           | 7                   |        |             |                     |
|        |             |                     | Z      | Z           | 7                   |        |             |                     |

\* Horizontal print, print height 15 mm.



38 x 92 mm



45 x 92 mm

Other legends upon request with a minimum of order of 10 cards.



### SPOT-IT

**Material:** TEV vinyle covered cotton

**Operating temperatures:** -30 to +105°C (class A)  
-40 to +150°C (short duration)

**Temperatures of application:** +10 to +40°C

**Adhesive:** special thermal setting adhesive

**Adherence on steel:** 2,5 N/cm

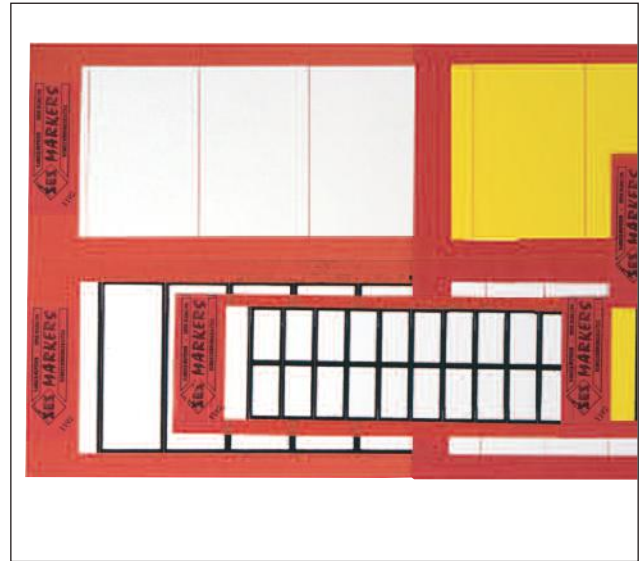
**Tensile strength at break:** 80 N/cm

**Dimension of the card:** S19: 255 x 48 mm  
S38: 255 x 73 mm  
S58: 255 x 105 mm


**Strip thickness:** 0,30 mm

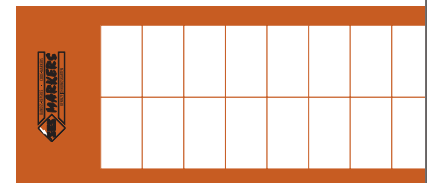
**Standard colours:** white - yellow

**Specification:** available with or without frame. For an individual marking by hand (with nylon point pen, ball point pen, or pencil).




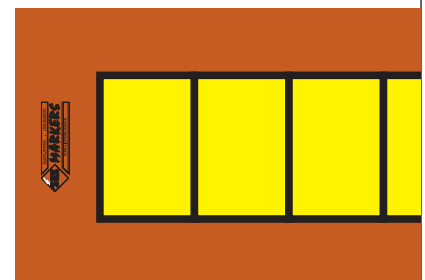
### • Code marker cards SPOT-IT unprinted unframed

| type             | article number |               | size of the strip mm | quantity strips/card |  |
|------------------|----------------|---------------|----------------------|----------------------|--|
|                  | 001            | 004           |                      |                      |  |
| SPOT-IT S19/11 S | 0301 0340 001  | 0301 0440 004 | 19 x 11              | 40                   | 10   |
| SPOT-IT S38/06 S | 0301 0350 001  | 0301 0450 004 | 38 x 6               | 37                   | 10   |
| SPOT-IT S38/09 S | 0301 0351 001  | 0301 0451 004 | 38 x 9               | 25                   | 10   |
| SPOT-IT S38/11 S | 0301 0352 001  | 0301 0452 004 | 38 x 11              | 20                   | 10   |
| SPOT-IT S38/16 S | 0301 0353 001  | 0301 0453 004 | 38 x 16              | 14                   | 10   |
| SPOT-IT S38/22 S | 0301 0354 001  | 0301 0454 004 | 38 x 23              | 10                   | 10   |
| SPOT-IT S58/13 S | 0301 0360 001  | 0301 0460 004 | 58 x 13              | 18                   | 10   |
| SPOT-IT S58/22 S | 0301 0362 001  | 0301 0462 004 | 58 x 23              | 10                   | 10   |



### • Code marker cards SPOT-IT unprinted framed

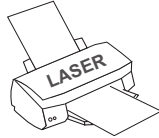
| type             | article number |               | size of the strip mm | quantity strips/card |  |
|------------------|----------------|---------------|----------------------|----------------------|--|
|                  | 001            | 004           |                      |                      |  |
| SPOT-IT S19/11 A | 0301 0341 001  | 0301 0441 004 | 19 x 11              | 40                   | 10   |
| SPOT-IT S38/11 A | 0301 0358 001  | 0301 0458 004 | 38 x 11              | 20                   | 10   |
| SPOT-IT S58/22 A | 0301 0368 001  | 0301 0468 004 | 58 x 23              | 10                   | 10   |



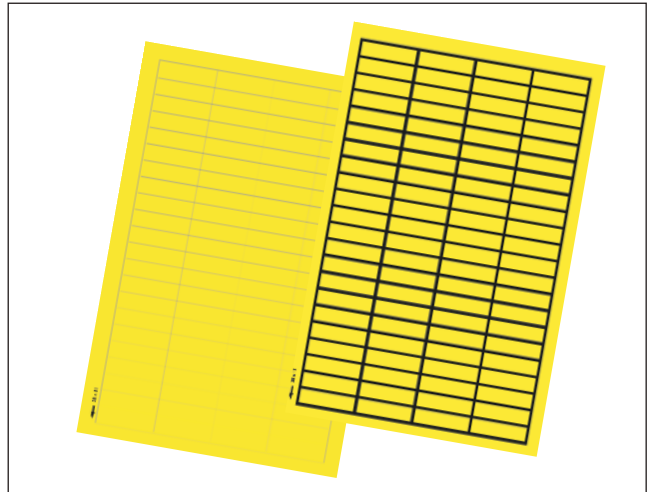
Other colours upon request.

**SPOT-IT**


**Material:** TEV vinyle covered cotton  
**Operating temperatures:** -30 to +80°C  
**Temperatures of application:** +10 to +40°C  
**Adhesive:** acrylic  
**Adherence on steel:** 4,5 N/cm  
**Standard colour:** yellow




**Specification:** available with or without frame. For a LASER or an individual marking by hand (with nylon point pen, ball point pen, or pencil).

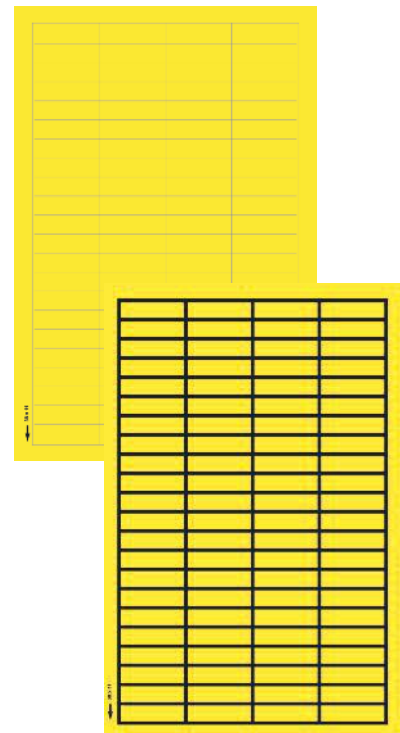


**• Sheet with strips SPOT-IT unprinted unframed**

| type            | article number | size of the strip mm | quantity strips/sheet |  |
|-----------------|----------------|----------------------|-----------------------|--|
| SPOT-IT S 12/09 | 0301 0473 004  | 12 x 9               | 405                   | 10   |
| SPOT-IT S 15/09 | 0301 0474 004  | 15 x 9               | 324                   | 10   |
| SPOT-IT S 18/06 | 0301 0471 004  | 18 x 6               | 400                   | 10   |
| SPOT-IT S 20/08 | 0301 0472 004  | 20 x 8               | 270                   | 10   |

**• Sheet with strips SPOT-IT unprinted with frame**

| type            | article number | size of the strip mm | quantity strips/sheet |  |
|-----------------|----------------|----------------------|-----------------------|---|
| SPOT-IT A 15/09 | 0301 0481 004  | 15 x 9               | 324                   | 10  |
| SPOT-IT A 19/11 | 0301 0482 004  | 19 x 11              | 198                   | 10  |
| SPOT-IT A 28/11 | 0301 0483 004  | 28 x 11              | 132                   | 10  |
| SPOT-IT A 38/11 | 0301 0484 004  | 38 x 11              | 88                    | 10  |
| SPOT-IT A 56/22 | 0301 0485 004  | 56 x 22              | 33                    | 10  |
| SPOT-IT A 60/34 | 0301 0486 004  | 60 x 34              | 21                    | 10  |



**Laser printing:** By using the Word™ software, it is possible, thanks to the function "envelopes and labels" under "tools", to print labels SPOT-IT starting from your computer. You can download the document templates for these labels on our web site: [www.ses-sterling.com](http://www.ses-sterling.com), choose **Products**, then **Software and Media**.

**• Protection of the print**

For the protection of the Laser print, please use the protecting varnish in aerosol cans:

**Protecting varnish** 0706 0010 000 contents: 400 ml



 B1/7-01



**Code marker cards SES-MARKERS**  
with strips SPOT-IT  
for printed circuits boards

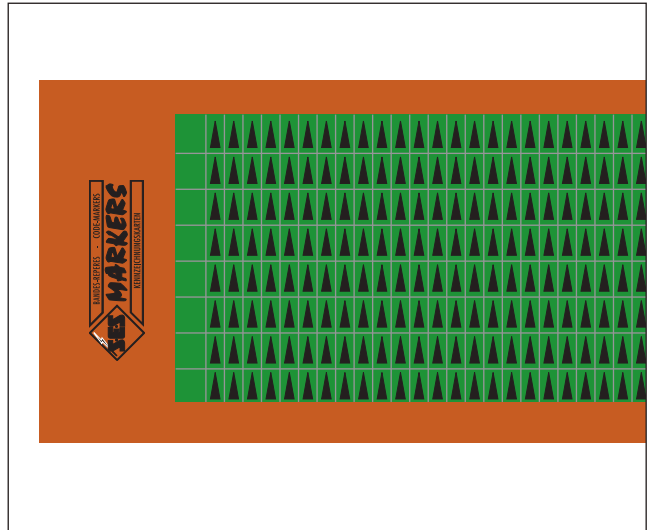



**SES-MARKERS**  
Quality TEV

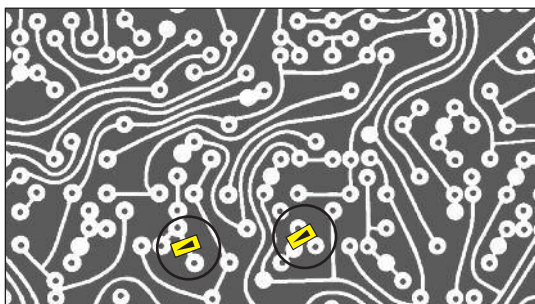
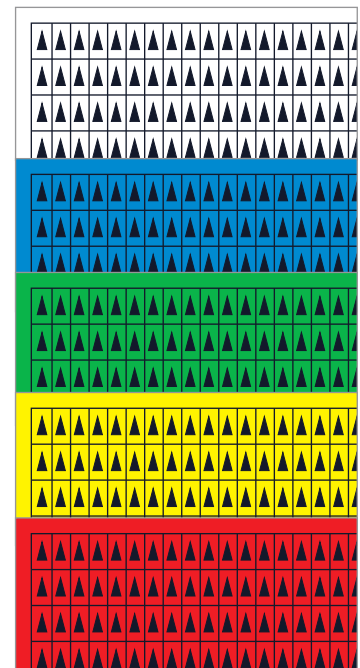


**SPOT-IT**

**Material:** TEV vinyle covered cotton  
**Operating temperatures:** -30 to +105°C (class A)  
 -40 to +150°C (short duration)  
**Temperatures of application:** +10 to +40°C  
**Adhesive:** special thermal setting adhesive  
**Adherence on steel:** 2,5 N/cm  
**Tensile strength at break:** 80 N/cm  
  
**Dimensions of the strip:** 2,45 x 4,75 mm  
**Dimensions of the card:** 255 x 48 mm  
**Strip thickness:** 0,30 mm  
**Standard colours:** white - blue - green - yellow - red  
**Pack:** 10 cards same legend (for smaller quantities an extra charge will be applied).  
**Specification:** used for the location on printed circuits.



| type   | article number | strip colour | quantity strips/card |  |
|--------|----------------|--------------|----------------------|---|
| S 5/01 | 0301 0200 001  | white        | 752                  | 10  |
| S 5/02 | 0301 0200 002  | blue         | 752                  | 10  |
| S 5/03 | 0301 0200 003  | green        | 752                  | 10  |
| S 5/04 | 0301 0200 004  | yellow       | 752                  | 10  |
| S 5/07 | 0301 0200 007  | red          | 752                  | 10  |



# Code marker cards SES-MARKERS with triangular strips SPOT-IT

Electrical danger - Danger



SES-MARKERS

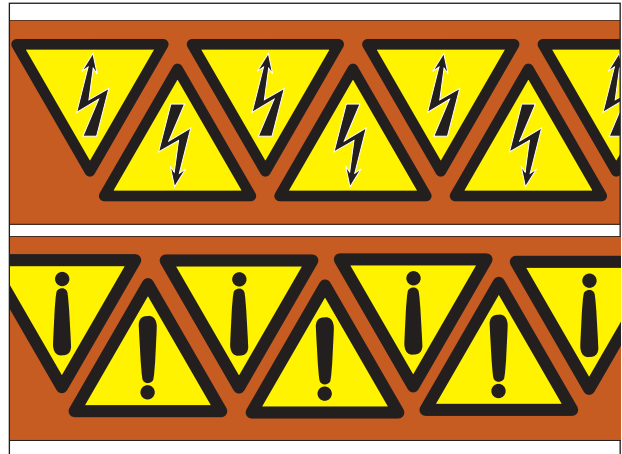
Quality TEV



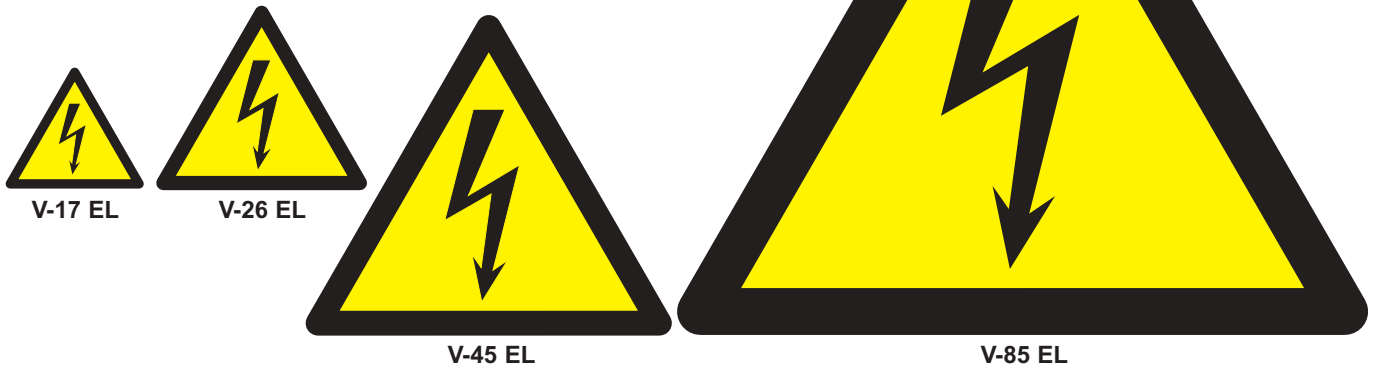
## SPOT-IT

**Material:** TEV vinyle covered cotton  
**Operating temperatures:** -30 to +105°C (class A)  
 -40 to +150°C (short duration)  
**Temperatures of application:** +10 to +40°C  
**Adhesive:** special thermal setting adhesive  
**Adherence on steel:** 2,5 N/cm  
**Tensile strength at break:** 80 N/cm  
  
**Strip thickness:** 0,30 mm  
**Standard colour:** yellow

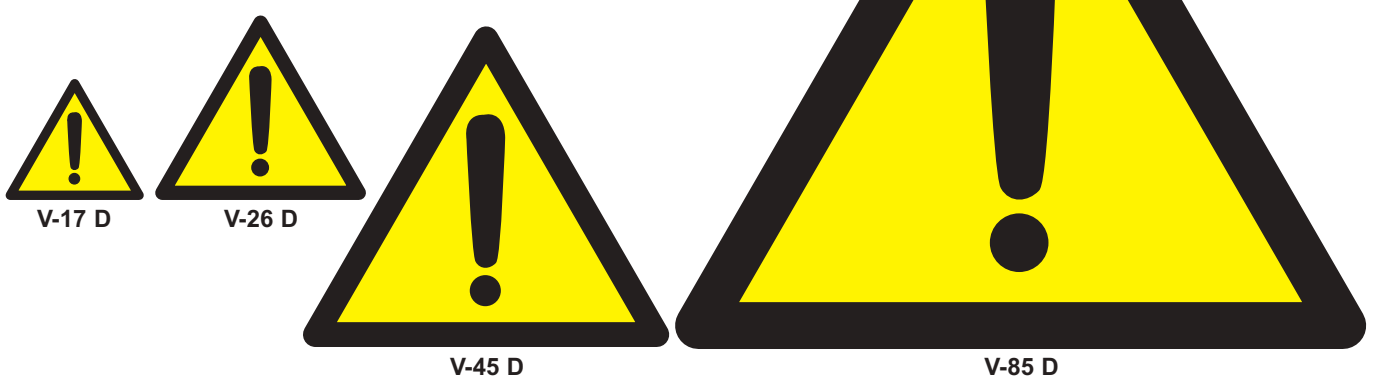
**Specifications:** used for the warning of the electric dangers and general danger.



| type    | article number    | strip height<br>mm | quantity<br>strips/card |    |
|---------|-------------------|--------------------|-------------------------|----|
| V-17 EL | 0301 0091 004 ELE | 16                 | 20                      | 10 |
| V-26 EL | 0301 0092 004 ELE | 24                 | 12                      | 10 |
| V-45 EL | 0301 0093 004 ELE | 42                 | 7                       | 10 |
| V-85 EL | 0301 0094 004 ELE | 80                 | 3                       | 10 |



| type   | article number  | strip height<br>mm | quantity<br>strips/card |    |
|--------|-----------------|--------------------|-------------------------|----|
| V-17 D | 0301 0091 004 ! | 16                 | 20                      | 10 |
| V-26 D | 0301 0092 004 ! | 24                 | 12                      | 10 |
| V-45 D | 0301 0093 004 ! | 42                 | 7                       | 10 |
| V-85 D | 0301 0094 004 ! | 80                 | 3                       | 10 |





**Code marker cards SES-MARKERS**  
**with strips SPOT-IT**  
**HIGH TENSION FLASH SYMBOL**



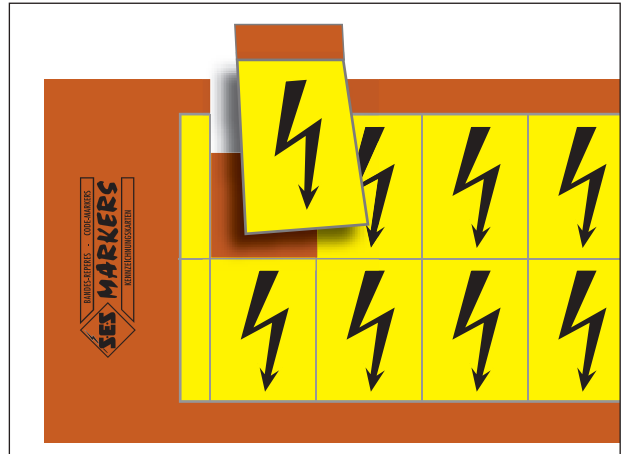
**SES-MARKERS**  
**Quality TEV**




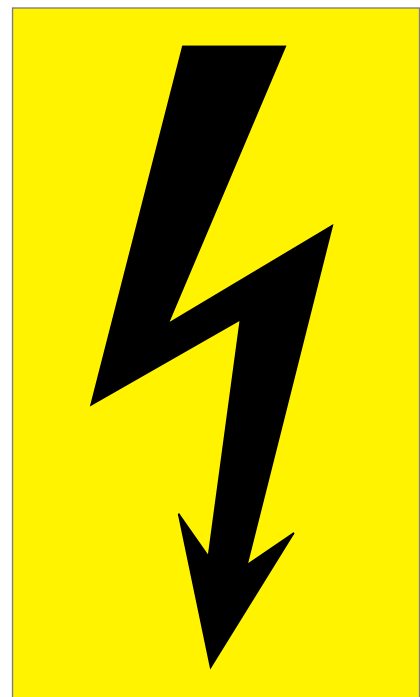
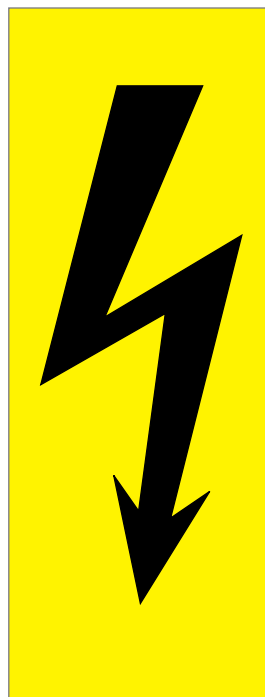
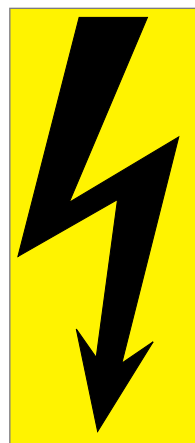
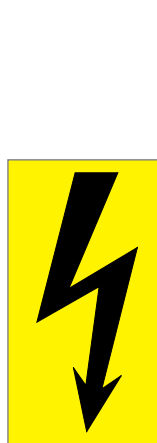
**SPOT-IT**

**Material:** TEV vinyle covered cotton  
**Operating temperatures:** -30 to +105°C (class A)  
 -40 to +150°C (short duration)  
**Temperatures of application:** +10 to +40°C  
**Adhesive:** special thermal setting adhesive  
**Adherence on steel:** 2,5 N/cm  
**Tensile strength at break:** 80 N/cm  
**Strip thickness:** 0,30 mm  
**Standard colour:** yellow

**Specifications:** used for the warning of the electric dangers.



| type     | artide number | dimension of the strip mm | quantity strips/cards |  |
|----------|---------------|---------------------------|-----------------------|---|
| S 8 TEN  | 0301 0041 004 | 5 x 7,5                   | 225                   | 10  |
| S 13 TEN | 0301 0042 004 | 9 x 13                    | 78                    | 10  |
| S 19 TEN | 0301 0043 004 | 14 x 19                   | 32                    | 10  |
| S 38 TEN | 0301 0044 004 | 20 x 38                   | 11                    | 10  |
| S 58 TEN | 0301 0045 004 | 25 x 58                   | 9                     | 10  |
| S 92 TEN | 0301 0046 004 | 35 x 92                   | 6                     | 10  |
| S 93 TEN | 0301 0047 004 | 54 x 92                   | 4                     | 10  |



**SES-MARKERS bands**  
with strip in laminated Mylar  
HIGH TENSION FLASH SYMBOL



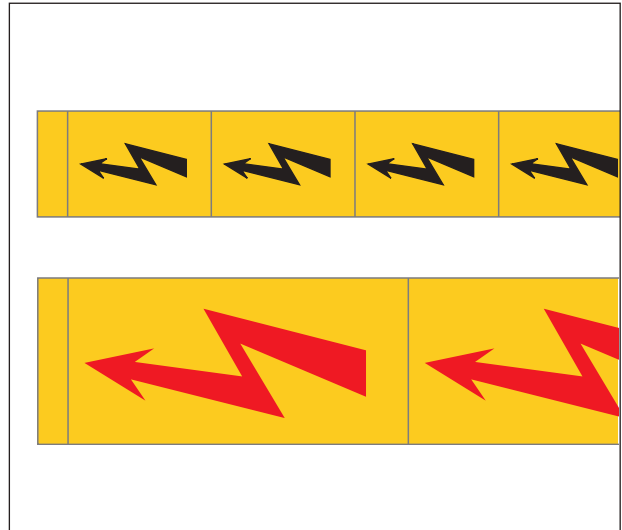
SES




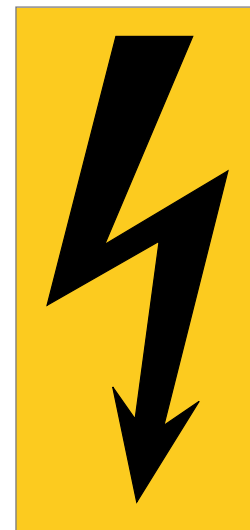
**MYLAR**

**Material:** polyester  
**Adhesive:** permanent acrylic  
**Operating temperatures:** -40 to +150°C  
**Temperatures of application:** > +10°C  
**Adherence on inox:** 5,20 N/cm  
**Flame resistance:** self-extinguished  
**Strip thickness:** 60 µm  
**Standard colour:** yellow  
**Print colours:** black - red  
**Similar to the standards:** NFC 03-417 and IEC 417 symbol 5036  
 DIN 40008/4844  
 ISO 3864

**Specifications:** these labels, in laminated Mylar, have a very good adherence and offer a good resistance to the chemical agents and the atmospheric conditions.



| type            | article number<br>black print | article number<br>red print | arrow<br>height<br>mm | quantity<br>strips/band |  |
|-----------------|-------------------------------|-----------------------------|-----------------------|-------------------------|---|
| MYLAR 14 x 19   | 0308 0001 000                 | 0308 0021 004               | 16                    | 12                      | 1   |
| MYLAR 12 x 24   | 0308 0002 000                 | 0308 0022 004               | 20                    | 10                      | 1   |
| MYLAR 16 x 30   | 0308 0003 000                 | 0308 0023 004               | 25                    | 8                       | 1   |
| MYLAR 21 x 38   | 0308 0004 000                 | 0308 0024 004               | 32                    | 6                       | 1   |
| MYLAR 22 x 45   | 0308 0005 000                 | 0308 0025 004               | 40                    | 5                       | 1   |
| MYLAR 26 x 58   | 0308 0006 000                 | 0308 0026 004               | 50                    | 4                       | 1   |
| MYLAR 32 x 70   | 0308 0007 000                 | 0308 0027 004               | 63                    | 3                       | 1   |
| MYLAR 40 x 88   | 0308 0008 000                 | 0308 0028 004               | 80                    | 3                       | 1   |
| MYLAR 50 x 110  | 0308 0009 000                 | 0308 0029 004               | 100                   | 1                       | 1   |
| MYLAR 60 x 135  | 0308 0010 000                 | 0308 0030 004               | 125                   | 1                       | 1   |
| MYLAR 75 x 170  | 0308 0011 000                 | 0308 0031 004               | 160                   | 1                       | 1   |
| MYLAR 91 x 214  | 0308 0012 000                 | 0308 0032 004               | 200                   | 1                       | 1   |
| MYLAR 120 x 262 | 0308 0013 000                 | 0308 0033 004               | 250                   | 1                       | 1   |



# Code marker cards SES-MARKERS

with triangular strips Mylar

Electrical danger - Danger



SES-MARKERS

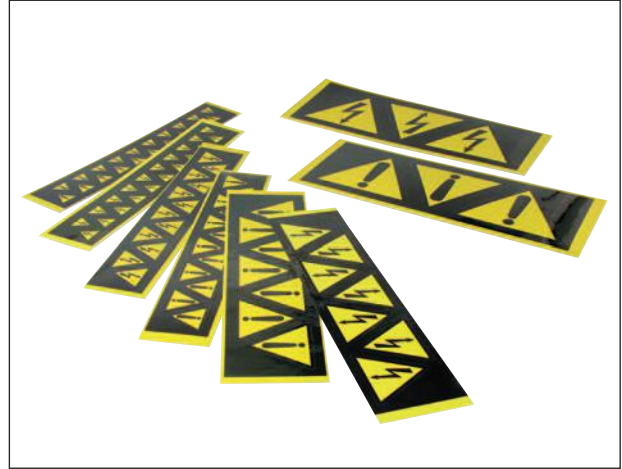
Mylar




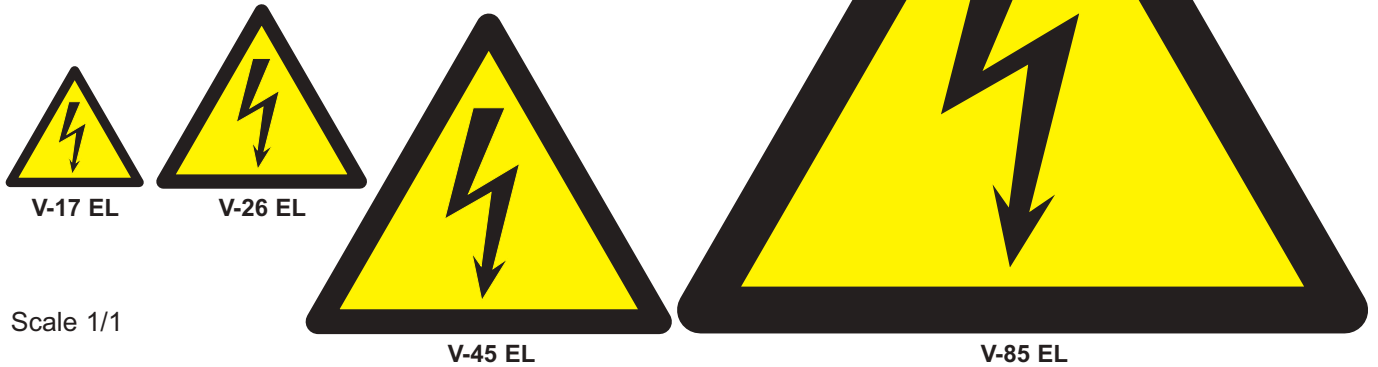
## MYLAR

**Material:** polyester  
**Adhesive:** permanent acrylic  
**Operating temperatures:** -40 to +150°C  
**Temperatures of application:** > +10°C  
**Adherence on inox:** 5,20 N/cm  
**Flame resistance:** self-extinguished  
**Strip thickness:** 60 µm  
**Standard colour:** yellow  
**Print colour:** black  
**Similar to the standards:** NFC 03-417 et IEC 417  
 DIN 40008/4844 - ISO 3864


**Specifications:** these labels, in laminated Mylar, have a very good adherence and offer a good resistance to the chemical agents and the atmospheric conditions.

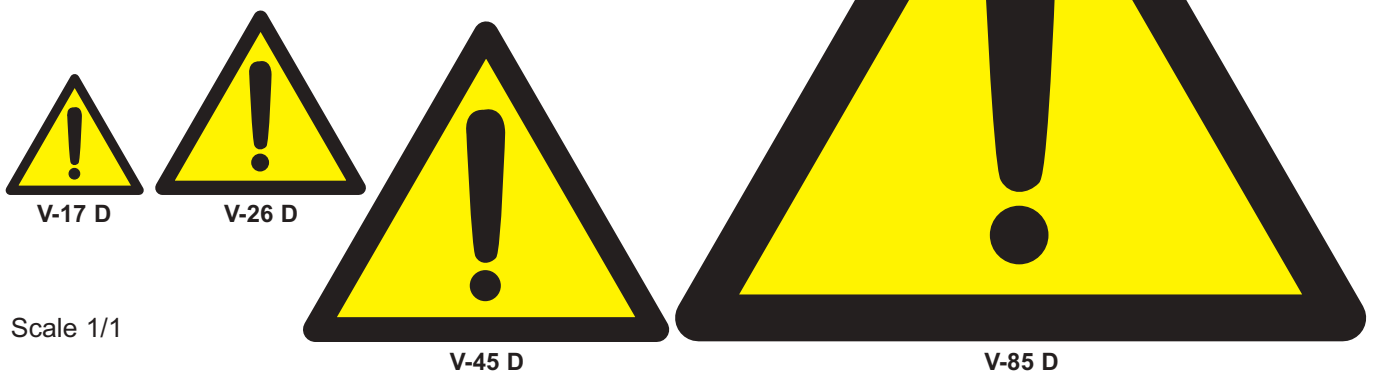


| type          | artide number     | strip height mm | quantity strips/band |  |
|---------------|-------------------|-----------------|----------------------|---|
| MYLAR V-17 EL | 0308 0091 004 ELE | 16              | 20                   | 10  |
| MYLAR V-26 EL | 0308 0092 004 ELE | 24              | 12                   | 10  |
| MYLAR V-45 EL | 0308 0093 004 ELE | 42              | 7                    | 10  |
| MYLAR V-85 EL | 0308 0094 004 ELE | 80              | 3                    | 10  |



Scale 1/1

| type         | artide number   | strip height mm | quantity strips/band |  |
|--------------|-----------------|-----------------|----------------------|---|
| MYLAR V-17 D | 0308 0091 004 ! | 16              | 20                   | 10  |
| MYLAR V-26 D | 0308 0092 004 ! | 24              | 12                   | 10  |
| MYLAR V-45 D | 0308 0093 004 ! | 42              | 7                    | 10  |
| MYLAR V-85 D | 0308 0094 004 ! | 80              | 3                    | 10  |

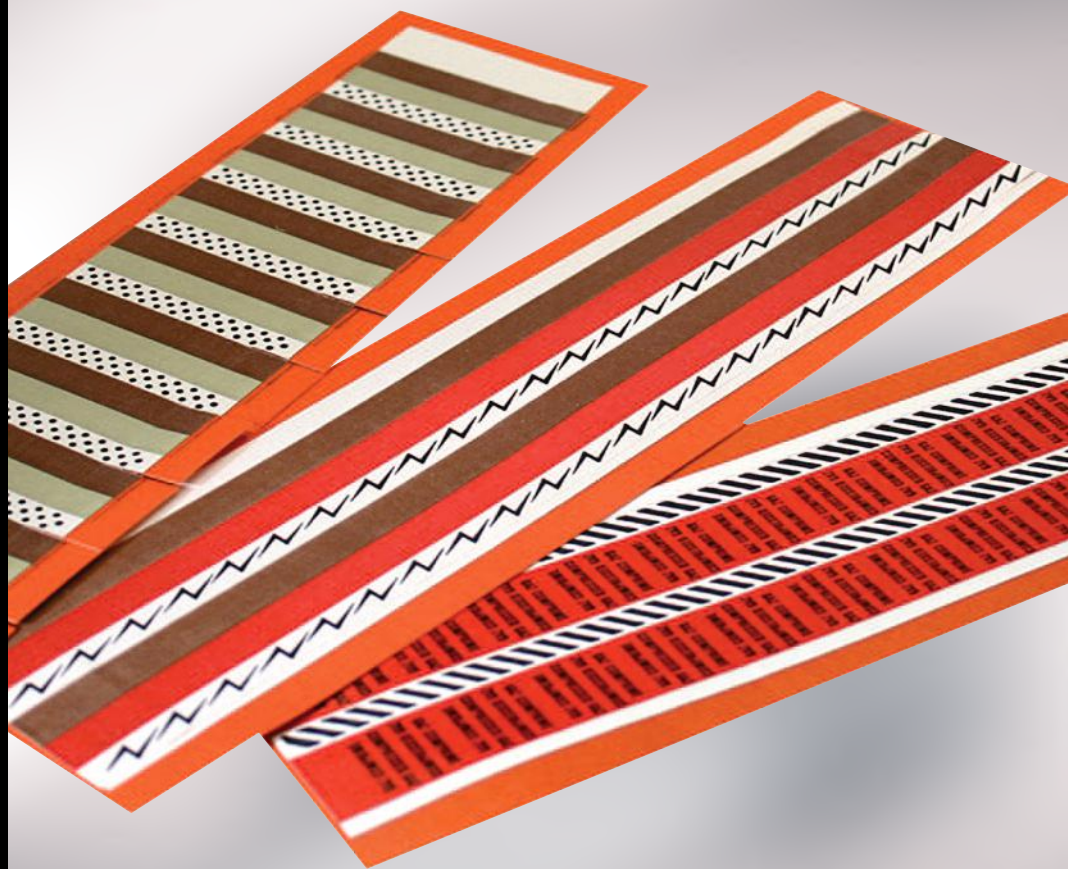
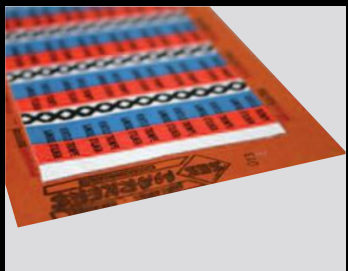


Scale 1/1



# B3

Code marker cards  
for fluid pipes



**SES-MARKERS wrap-round tapes**  
**to identify fluid pipes on aircraft**  
**to NF ISO 12 standard**  
**(Klassifikation Index: L40-201A)**



**SES-MARKERS**  
**Grade TEV**



**Properties and advantages of cards for fluid circuits on aircraft**

Self-adhesive strips on TEV (vinyl covered cotton) cards. To identify fluids with colours and conventional symbols to NF L 40-200 standard.

They are available in width of 25 mm (7 mm for the symbol) and in lengths of 58 - 140 and 280 mm.

For ease of reading, alternate texts are inverted. Additional legends are available to indicate flow direction or danger (width 13 and 10,5 mm for the 3 lengths).

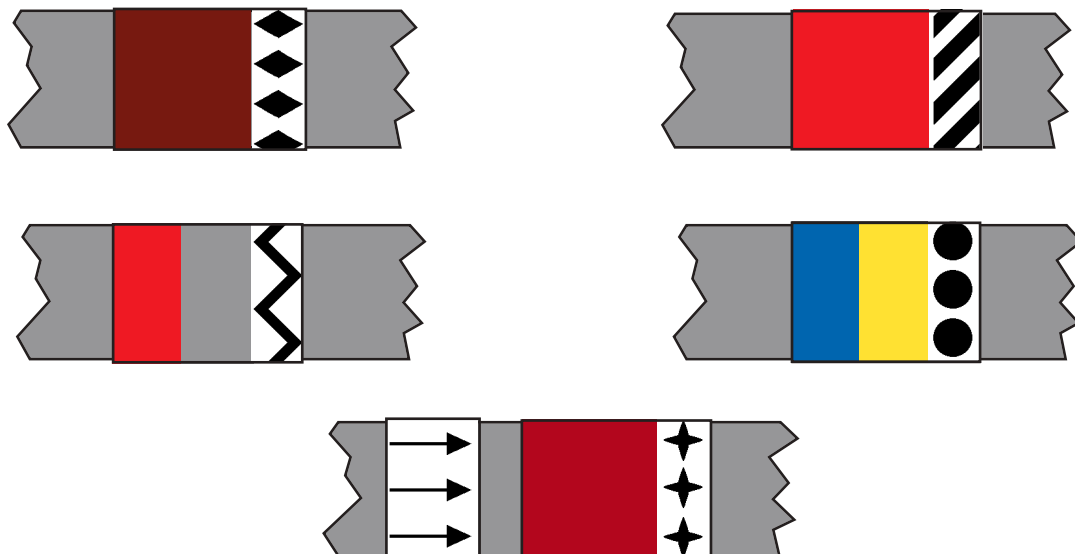
Every strip is fitted with a snap-off tab to avoid adhesive contamination when used .

Strips per card: **2- 4 and 11 strips\***  
 Strip width: **25 mm**  
 Strip lengths: **58- 140 and 280 mm**  
 Strip thickness: **0,3 mm**  
 Material: **TEV (vinyl covered cotton)**  
 Adhesive: **special, thermo setting latex**  
 Adhesion: **2,5 N/cm**

\* according to legend.

Tensile strength: **80 N/cm**  
 Operating temperatures: **-30 to +105°C**  
 (class A)  
**-40 to +150°C**  
 (short duration)  
 Temperatures of application: **+10 to +40°C**

Minimum per type, fluid group and double exposure: **10 cards**



**LOCATION OF MARKERS:**

"Markers shall be located at both ends of a pipeline component and at intervals along the pipeline. Identification points shall be selected so that when the pipeline is installed at least one marker is located adjacent to each servicing point and inspection door. Where a length of pipeline is less than 600mm and the installed pipeline may be readily traced, only one marker need be used."

(Extract from BS 5M 23 : 1987)

# Fluid circuit identification on aircraft

The numbers in brackets are the international identification code for the relevant marker, e.g. hydraulic is BS 5M 23/6



SES-MARKERS



| Fluid                            | Samples of Supplementary text (optional)                            | Fluid                            | Samples of Supplementary text (optional) | Fluid                           | Samples of Supplementary text (optional)   |
|----------------------------------|---|----------------------------------|--|---------------------------------|--|
| <b>Fuel (1)</b><br>              | PETROL<br>KEROSENE<br>AUXIL. ENG.<br>HEATER                         | <b>Rocket oxidiser (2)</b><br>   | NITRIC                                   | <b>Rocket fuel (3)</b><br>      | FURALINE   |
| <b>Water injection (4)</b><br>   |   | <b>Lubrication (5)</b><br>       | SECONDARY<br>JET<br>ENGINE               | <b>Hydraulic (6)</b><br>        | BRAKES<br>FLAPS<br>AEROFOIL TAB.<br>DIREC. TAB.<br>PROF. TAB.<br>AUTOPILOT<br>PROPELLER<br>TURRET<br>EXIT DOOR |
| <b>Pneumatic (7)</b><br>         | BRAKES<br>EXIT DOOR<br>FLAPS  | <b>Instrument air (8)</b><br>    | STATIC<br>DYNAMIC<br>PRESSURE            | <b>Coolant (9)</b><br>          | WATER<br>GLYCOL ETH<br>WATER GLY.<br>ETH   |
| <b>Breathing oxygen (10)</b><br> | HIGH PRES.<br>LOW PRES.   | <b>Air conditioning (11)</b><br> | COLD<br>HOT<br>CONDITION.<br>UNDER PRES. | <b>Fire protection (12)</b><br> | CO2<br>METHYL<br>BROMIDE   |
| <b>De-icing (13)</b><br>         | PROPELLER<br>CARBU.<br>WINDSCREEN<br>WINGS<br>STABILIZER<br>ALCOHOL | <b>Rocket catalyst (15)</b><br>  |  | <b>Compressed gas (16)</b><br>  | PROPANE  |





Fluid

Samples of Supplementary text (optional)

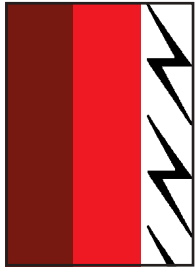
Fluid

Samples of Supplementary text (optional)

Fluid

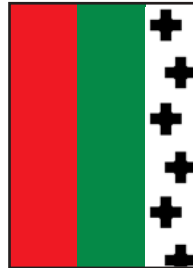
Samples of Supplementary text (optional)

**Electrical conduit (17)**

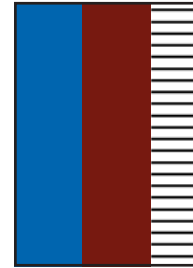


ENG. IGNITION  
WEAPONS  
BOMBS  
ROCKETS  
RADIO  
ECL. FORCE  
SUPPL.

**Inerting (19)**



**Solvent (20)**



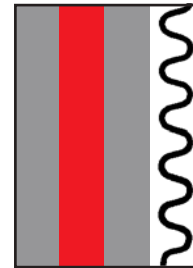
**Monopropellant (21)**



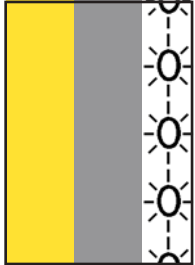
**Rain repellent (22)**



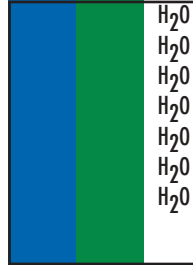
**Vacuum (23)**



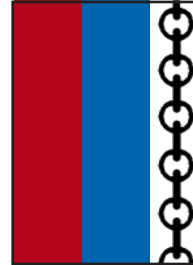
**Battery activator (24)**



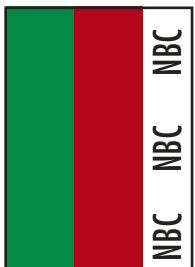
**Drinking water (25)**



**Waste (26)**



**Filtered air (27)**



**Further symbols**

**Warning symbol (14)**



**Direction of flow (18)**





# SES-MARKERS wrap-round tapes

to identify fluid pipes on aircraft  
conform to NF ISO 12  
(classification index: L 40-201A)



**SES-MARKERS**  
Grade TEV

With graphic symbols, colour and text  
Print height 1,85 mm - minimum of 10 identical cards

| FLUID              | card of 11 strips<br>25 x 58 mm |                | card of 4 strips<br>25 x 140 mm |                | card of 2 strips<br>25 x 280 mm |                | colours          |          |
|--------------------|---------------------------------|----------------|---------------------------------|----------------|---------------------------------|----------------|------------------|----------|
|                    | type                            | article number | type                            | article number | type                            | article number | of strips        | of print |
| FUEL               | AF 11-01                        | 0303 0001 000  | AF 4-01                         | 0303 0101 000  | AF 2-01                         | 0303 0201 000  | burgundy         | black    |
| ROCKET OXIDISER    | AF 11-02                        | 0303 0002 000  | AF 4-02                         | 0303 0102 000  | AF 2-02                         | 0303 0202 000  | green/grey       | black    |
| ROCKET FUEL        | AF 11-03                        | 0303 0003 000  | AF 4-03                         | 0303 0103 000  | AF 2-03                         | 0303 0203 000  | burgundy/grey    | black    |
| WATER INJECTION    | AF 11-04                        | 0303 0007 000  | AF 4-04                         | 0303 0107 000  | AF 2-04                         | 0303 0207 000  | burg./grey/burg. | black    |
| LUBRICATION        | AF 11-05                        | 0303 0008 000  | AF 4-05                         | 0303 0108 000  | AF 2-05                         | 0303 0208 000  | yellow           | black    |
| HYDRAULIC          | AF 11-06                        | 0303 0009 000  | AF 4-06                         | 0303 0109 000  | AF 2-06                         | 0303 0209 000  | blue/yellow      | black    |
| PNEUMATIC          | AF 11-07                        | 0303 0011 000  | AF 4-07                         | 0303 0111 000  | AF 2-07                         | 0303 0211 000  | orange/blue      | black    |
| INSTRUMENT AIR     | AF 11-08                        | 0303 0012 000  | AF 4-08                         | 0303 0112 000  | AF 2-08                         | 0303 0212 000  | orange/grey      | black    |
| COOLANT            | AF 11-09                        | 0303 0013 000  | AF 4-09                         | 0303 0113 000  | AF 2-09                         | 0303 0213 000  | blue             | black    |
| BREATHING OXYGEN   | AF 11-10                        | 0303 0014 000  | AF 4-10                         | 0303 0114 000  | AF 2-10                         | 0303 0214 000  | green            | black    |
| AIR CONDITIONING   | AF 11-11                        | 0303 0018 000  | AF 4-11                         | 0303 0118 000  | AF 2-11                         | 0303 0218 000  | brown/grey       | black    |
| FIRE PROTECTION    | AF 11-12                        | 0303 0015 000  | AF 4-12                         | 0303 0115 000  | AF 2-12                         | 0303 0215 000  | brown            | black    |
| DE-ICING           | AF 11-13                        | 0303 0016 000  | AF 4-13                         | 0303 0116 000  | AF 2-13                         | 0303 0216 000  | grey             | black    |
| ROCKET CATALYST    | AF 11-15                        | 0303 0004 000  | AF 4-15                         | 0303 0104 000  | AF 2-15                         | 0303 0204 000  | yellow/green     | black    |
| COMPRESSED GAS     | AF 11-16                        | 0303 0010 000  | AF 4-16                         | 0303 0110 000  | AF 2-16                         | 0303 0210 000  | red              | black    |
| ELECTRICAL CONDUIT | AF 11-17                        | 0303 0017 000  | AF 4-17                         | 0303 0117 000  | AF 2-17                         | 0303 0217 000  | brown/orange     | black    |
| INERTING           | AF 11-19                        | 0303 0019 000  | AF 4-19                         | 0303 0119 000  | AF 2-19                         | 0303 0219 000  | orange/green     | black    |
| SOLVENT            | AF 11-20                        | 0303 0006 000  | AF 4-20                         | 0303 0106 000  | AF 2-20                         | 0303 0206 000  | blue/brown       | black    |
| MONOPROPELLANT     | AF 11-21                        | 0303 0005 000  | AF 4-21                         | 0303 0105 000  | AF 2-21                         | 0303 0205 000  | yellow/orange    | black    |
| RAIN REPELLANT     | AF 11-22                        | 0303 0020 000  | AF 4-22                         | 0303 0120 000  | AF 2-22                         | 0303 0220 000  | blue/grey        | black    |
| VACUUM             | AF 11-23                        | 0303 0021 000  | AF 4-23                         | 0303 0121 000  | AF 2-23                         | 0303 0221 000  | grey/orange/grey | black    |
| BATTERY ACTIVATOR  | AF 11-24                        | 0303 0022 000  | AF 4-24                         | 0303 0122 000  | AF 2-24                         | 0303 0222 000  | yellow/grey      | black    |
| DRINKING WATER     | AF 11-25                        | 0303 0023 000  | AF 4-25                         | 0303 0123 000  | AF 2-25                         | 0303 0223 000  | blue/green       | black    |
| WASTE              | AF 11-26                        | 0303 0024 000  | AF 4-26                         | 0303 0124 000  | AF 2-26                         | 0303 0224 000  | burgundy/blue    | black    |
| FILTERED AIR       | AF 11-27                        | 0303 0025 000  | AF 4-27                         | 0303 0125 000  | AF 2-27                         | 0303 0225 000  | green/red        | black    |

• with further symbol - minimum of 10 identical cards

| indication                                      | card of 26 strips<br>10,5 x 58 mm |                | card of 10 strips<br>10,5 x 140 mm |                | card of 5 strips<br>10,5 x 280 mm |                | colours   |           |
|---|-----------------------------------|----------------|------------------------------------|----------------|-----------------------------------|----------------|-----------|-----------|
|   | type                              | article number | type                               | article number | type                              | article number | of strips | of symbol |
| <b>WARNING SYMBOL</b><br>(Skull and crossbones) | AF 26-14                          | 0303 0320 000  | AF 10-14                           | 0303 0420 000  | AF 5-14                           | 0303 0520 000  | white     | black     |

• with further symbol - minimum of 10 identical cards

| indication                                      | card of 20 strips<br>13 x 58 mm |                | card of 8 strips<br>13 x 140 mm |                | card of 4 strips<br>13 x 280 mm |                | colours   |           |
|---|---------------------------------|----------------|---------------------------------|----------------|---------------------------------|----------------|-----------|-----------|
|   | type                            | article number | type                            | article number | type                            | article number | of strips | of symbol |
| <b>DIRECTION OF FLOW</b><br>(Directional arrow) | AF 20-18                        | 0303 0621 000  | AF 8-18                         | 0303 0721 000  | AF 4-18                         | 0303 0821 000  | white     | black     |

**Mylar SES-MARKERS**  
for fluids on aircraft  
to NF L 40-200 and BS 5M 23 : 1987  
(ISO/12 and STRABAG 3104 recommended)



**SES-MARKERS**  
in laminated Mylar



With graphic symbols, colours and text - Print height 1,85 mm - minimum of 50 identical strips

| FLUID              | strip<br>25 x 280 mm |                | colours           |          |
|--------------------|----------------------|----------------|-------------------|----------|
|                    | type                 | article number | of strips         | of print |
| FUEL               | ML 1-01              | 0306 0006 000  | burgundy          | black    |
| ROCKET OXIDISER    | ML 1-02              | 0306 0007 000  | green/grey        | black    |
| ROCKET FUEL        | ML 1-03              | 0306 0008 000  | burgundy/grey     | black    |
| WATER INJECTION    | ML 1-04              | 0306 0012 000  | burg./grey /burg. | black    |
| LUBRICATION        | ML 1-05              | 0306 0001 000  | yellow            | black    |
| HYDRAULIC          | ML 1-06              | 0306 0013 000  | blue/yellow       | black    |
| PNEUMATIC          | ML 1-07              | 0306 0014 000  | orange/blue       | black    |
| INSTRUMENT AIR     | ML 1-08              | 0306 0015 000  | orange/grey       | black    |
| COOLANT            | ML 1-09              | 0306 0003 000  | blue              | black    |
| BREATHING OXYGEN   | ML 1-10              | 0306 0004 000  | green             | black    |
| AIR CONDITIONING   | ML 1-11              | 0306 0019 000  | brown/grey        | black    |
| FIRE PROTECTION    | ML 1-12              | 0306 0016 000  | brown             | black    |
| DE-ICING           | ML 1-13              | 0306 0005 000  | grey              | black    |
| ROCKET CATALYST    | ML 1-15              | 0306 0009 000  | yellow/green      | black    |
| COMPRESSED GAS     | ML 1-16              | 0306 0002 000  | red               | black    |
| ELECTRICAL CONDUIT | ML 1-17              | 0306 0018 000  | brown/orange      | black    |
| INERTING           | ML 1-19              | 0306 0017 000  | orange/green      | black    |
| SOLVENT            | ML 1-20              | 0306 0011 000  | blue/brown        | black    |
| MONOPROPELLANT     | ML 1-21              | 0306 0010 000  | yellow/orange     | black    |
| RAIN REPELLANT     | ML 1-22              | 0306 0020 000  | blue/grey         | black    |
| VACUUM             | ML 1-23              | 0306 0021 000  | grey/orange/grey  | black    |
| BATTERY ACTIVATOR  | ML 1-24              | 0306 0022 000  | yellow/grey       | black    |
| DRINKING WATER     | ML 1-25              | 0306 0023 000  | blue/green        | black    |
| WASTE              | ML 1-26              | 0306 0024 000  | burgundy/blue     | black    |
| FILTERED AIR       | ML 1-27              | 0306 0025 000  | green/red         | black    |

• with further symbol - minimum of 50 identical strips

| indication                               | strip<br>10 x 280 mm |                | colours   |           |
|--|----------------------|----------------|-----------|-----------|
|  | type                 | article number | of strips | of symbol |
| WARNING SYMBOL<br>(skull and crossbones) | ML 1-14              | 0306 0030 000  | alu       | black     |

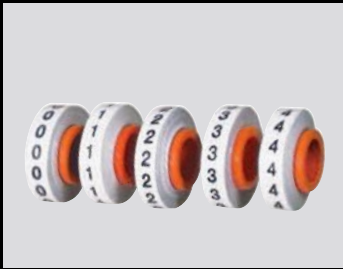
• with further symbol - minimum of 50 identical strips

| indication                               | strip<br>13 x 280 mm |                | colours   |            |
|--|----------------------|----------------|-----------|------------|
|  | type                 | article number | of strips | of symbols |
| DIRECTION OF FLOW<br>(Directional arrow) | ML 1-18              | 0306 0040 000  | alu       | black      |



# B4

## Wire marker cassettes SES-MARKERS





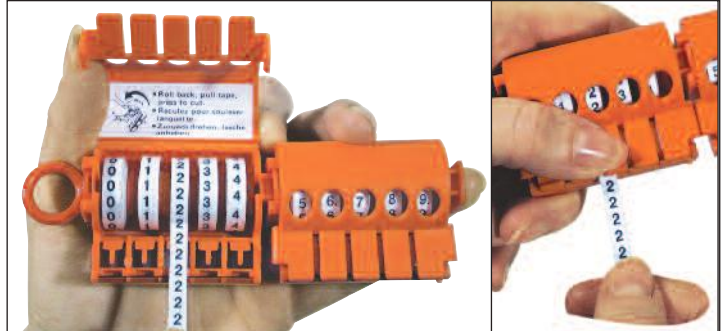
**SES-MARKERS**

**SES-MARKERS wire marker cassettes**

Material: polypropylene (PP)  
 Capacity: 5 marker rolls  
 Dimensions: L 50 mm - Ø 30 mm  
 Weight: 24 g (with 5 marker rolls)

**Tapes in rolls**

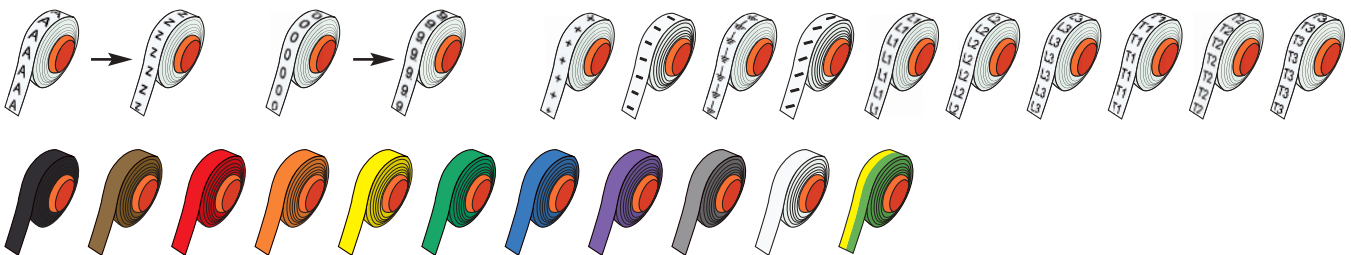
Material: Polyester (PET)  
 Length: 2,70 m  
 Width: 5,5 mm  
 Number of legends: 600 per roll (approx.)



- Compact, light and handy cassette.
- The cassettes can be clipped end to end so that legends are combined in multiples of 5.
- Allows identification of cables of any diameter.
- Cutting blade built in.
- Self-adhesive tape of superior tack.
- White tape with black printed alpha, numeric, alphanumeric legend or symbols.
- Non printed coloured tapes (10 colours available).
- Special symbols produced on request.

| type       | article number | designation  |   |
|------------|----------------|--|---|
| 2400/0-9   | 0736 0010 000  | set of 2 cassettes with legends from 0 to 9                  | 1 |
| 2400       | 0736 0020 000  | empty dispenser with axle                                    | 1 |
| 2410/0-4   | 0736 0030 000  | dispenser with figures 0 to 4                                | 1 |
| 2410/5-9   | 0736 0040 000  | dispenser with figures 5 to 9                                | 1 |
| 2410/COLOR | 0736 0110 000  | dispenser with 5 coloured rolls: red-yellow-green-blue-black | 1 |

**ROLLS (SINGLE)**



**code colours**

|            |            |            |            |            |            |            |            |            |            |              |
|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|--------------|
| <b>010</b> | <b>006</b> | <b>007</b> | <b>005</b> | <b>004</b> | <b>003</b> | <b>002</b> | <b>008</b> | <b>013</b> | <b>001</b> | <b>060</b>   |
| black      | brown      | red        | orange     | yellow     | green      | blue       | violet     | grey       | white      | yellow/green |

**code markers**

|                   |                   |                    |                      |               |
|-------------------|-------------------|--------------------|----------------------|---------------|
| A 0736 0120 001 A | N 0736 0120 001 N | 0 0736 0120 001 0  | + 0736 0120 001 +    | 0736 0130 010 |
| B 0736 0120 001 B | O 0736 0120 001 O | 1 0736 0120 001 1  | - 0736 0120 001 -    | 0736 0130 006 |
| C 0736 0120 001 C | P 0736 0120 001 P | 2 0736 0120 001 2  | ⊥ 0736 0120 001 SYTE | 0736 0130 007 |
| D 0736 0120 001 D | Q 0736 0120 001 Q | 3 0736 0120 001 3  | / 0736 0120 001 /    | 0736 0130 005 |
| E 0736 0120 001 E | R 0736 0120 001 R | 4 0736 0120 001 4  | L1 0736 0120 001 L1  | 0736 0130 004 |
| F 0736 0120 001 F | S 0736 0120 001 S | 5 0736 0120 001 5  | L2 0736 0120 001 L2  | 0736 0130 003 |
| G 0736 0120 001 G | T 0736 0120 001 T | 6. 0736 0120 001 6 | L3 0736 0120 001 L3  | 0736 0130 002 |
| H 0736 0120 001 H | U 0736 0120 001 U | 7 0736 0120 001 7  | T1 0736 0120 001 T1  | 0736 0130 008 |
| I 0736 0120 001 I | V 0736 0120 001 V | 8 0736 0120 001 8  | T2 0736 0120 001 T2  | 0736 0130 013 |
| J 0736 0120 001 J | W 0736 0120 001 W | 9. 0736 0120 001 9 | T3 0736 0120 001 T3  | 0736 0130 001 |
| K 0736 0120 001 K | X 0736 0120 001 X |                    |                      | 0736 0130 060 |
| L 0736 0120 001 L | Y 0736 0120 001 Y |                    |                      |               |
| M 0736 0120 001 M | Z 0736 0120 001 Z |                    |                      |               |

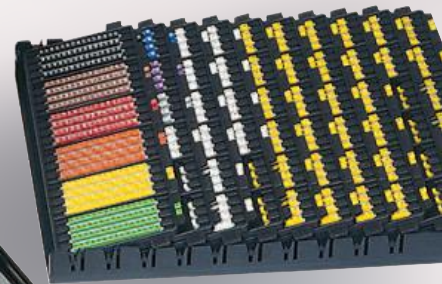






# B5

## Identification systems PLIOGRAPH<sup>PLUS</sup> and PLIOGRAPH<sup>2000</sup>





## Properties and advantages

To identify conductors, wires and cables, the Pliograph<sup>Plus</sup> system offers different types of identifications to mount on our carriers.

### Pliograph<sup>Plus</sup>

- Alpha markers in **white, yellow and pink**.
- Numeric markers in **white, yellow or international colour code**.
- Symbol markers in **white and yellow** (+ in red; - in blue).

### Other markers

### Pliograph<sup>2000</sup>

- Alphabetic, numeric and symbol markers **in white only**

### Labels 14-1177

- to identify with **QUICK-MARKERS** pen

### Profile M1-M45

- to identify with **PLIOSCRIB M1-PRO**

Legends **protected** against **abrasion, dust deposits, dirt, fluids and chemicals**.

Markers can be **prepared elsewhere** than on site.

Markers can be prepared while **wiring**.

Marking can be made **after connecting**, without de-terminating the cable. (Empty holders can be slid along the cable).

It is possible to **modify** identification **at any time**, without branching off the cable.

Legend-holders are **firmly attached to the conductor**.

Legend-holders are wholly **transparent**, allowing excellent legibility.

**Special legends, logos...** on request, on sleeves of 3, 7, 11, 14 or 22 mm length (longer legends are not advisable in one piece).

**Better fixture of the markers** due to the pressure of the tube rib on the lower membrane of the marker.

The assembly combs allow **easy marker preparation**.

The combs allow easy **marker preparation elsewhere** than on site.

The combs allow easier **order and controlling**, they can be written on with a special pen, supplied on request.

With the comb, a **double set of identical markers** can be simultaneously prepared.

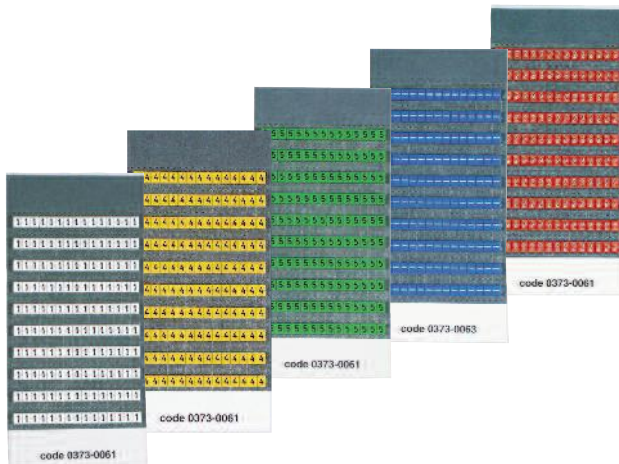
The comb can be unfolded so each marker set can be used **to identify both ends of the same conductor**.

• **PLIOGRAPH<sup>PLUS</sup> markers in PVC Type 150**

**Marker booklets type 150**

Number of markers per booklet: **150**  
 Marker width: **2,8 mm**  
 Marker height: **3,8 mm**  
 Print height: **2,1 mm**

See next page for full range of markings



Markers booklet type 150 with 150 markers

**Carrier** - length 25 mm  
 8 markers  
 type 150

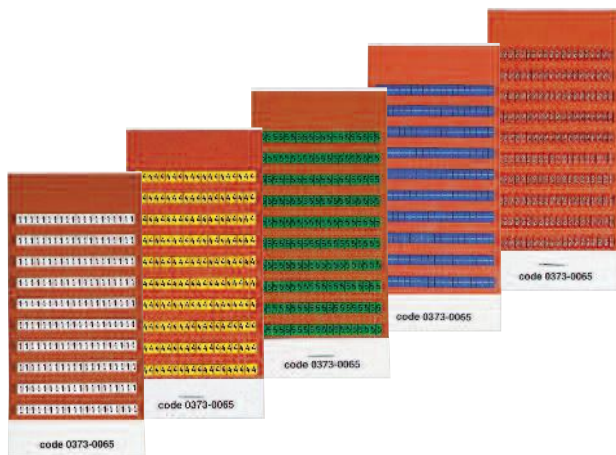


• **PLIOGRAPH<sup>PLUS</sup> markers in PVC Type 200**

**Marker booklets type 200**

Number of markers per booklet: **200**  
 Marker width: **2,1 mm**  
 Marker height: **3,8 mm**  
 Print height: **2,1 mm**

See next page for detailed marker range



Markers booklet type 200 with 200 markers

**Carrier** - length 25 mm  
 11 markers  
 type 200







**Markers (width 2,8 mm) in booklets of 150 markers with identical legend and colour**

| article number    | article number    | article number    | article number    | article number    | article number | article number     |
|-------------------|-------------------|-------------------|-------------------|-------------------|----------------|--------------------|
| A 0373 0060 001 A | A 0373 0060 004 A | A 0373 0060 015 A | 0 0373 0061 001 0 | 0 0373 0061 010 0 | +              | 0373 0063 001 +    |
| B 0373 0060 001 B | B 0373 0060 004 B | B 0373 0060 015 B | 1 0373 0061 001 1 | 1 0373 0061 006 1 | -              | 0373 0063 001 -    |
| C 0373 0060 001 C | C 0373 0060 004 C | C 0373 0060 015 C | 2 0373 0061 001 2 | 2 0373 0061 007 2 | /              | 0373 0063 001 /    |
| D 0373 0060 001 D | D 0373 0060 004 D | D 0373 0060 015 D | 3 0373 0061 001 3 | 3 0373 0061 005 3 | *              | 0373 0063 001 *    |
| E 0373 0060 001 E | E 0373 0060 004 E | E 0373 0060 015 E | 4 0373 0061 001 4 | 4 0373 0061 004 4 | ⤴              | 0373 0063 001 ETO  |
| F 0373 0060 001 F | F 0373 0060 004 F | F 0373 0060 015 F | 5 0373 0061 001 5 | 5 0373 0061 003 5 | △              | 0373 0063 001 TRI  |
| G 0373 0060 001 G | G 0373 0060 004 G | G 0373 0060 015 G | 6 0373 0061 001 6 | 6 0373 0061 002 6 | ≡              | 0373 0063 001 CRE  |
| H 0373 0060 001 H | H 0373 0060 004 H | H 0373 0060 015 H | 7 0373 0061 001 7 | 7 0373 0061 008 7 | .              | 0373 0063 001 .    |
| I 0373 0060 001 I | I 0373 0060 004 I | I 0373 0060 015 I | 8 0373 0061 001 8 | 8 0373 0061 013 8 | ↑              | 0373 0063 001 FV   |
| J 0373 0060 001 J | J 0373 0060 004 J | J 0373 0060 015 J | 9 0373 0061 001 9 | 9 0373 0061 001 9 | →              | 0373 0063 001 FH   |
| K 0373 0060 001 K | K 0373 0060 004 K | K 0373 0060 015 K |                   |                   | ⤵              | 0373 0063 001 MAS  |
| L 0373 0060 001 L | L 0373 0060 004 L | L 0373 0060 015 L |                   |                   | ⊥              | 0373 0063 001 TER  |
| M 0373 0060 001 M | M 0373 0060 004 M | M 0373 0060 015 M |                   |                   | ⊕              | 0373 0063 001 TEP  |
| N 0373 0060 001 N | N 0373 0060 004 N | N 0373 0060 015 N |                   |                   | ~              | 0373 0063 001 ALT  |
| O 0373 0060 001 O | O 0373 0060 004 O | O 0373 0060 015 O | 0 0373 0061 004 0 | 0 0373 0062 010   | Ω              | 0373 0063 001 OHM  |
| P 0373 0060 001 P | P 0373 0060 004 P | P 0373 0060 015 P | 1 0373 0061 004 1 | 1 0373 0062 006   | ρ              | 0373 0063 001 RHO  |
| Q 0373 0060 001 Q | Q 0373 0060 004 Q | Q 0373 0060 015 Q | 2 0373 0061 004 2 | 2 0373 0062 007   | ∩              | 0373 0063 001 SC   |
| R 0373 0060 001 R | R 0373 0060 004 R | R 0373 0060 015 R | 3 0373 0061 004 3 | 3 0373 0062 005   | :              | 0373 0063 001 ;    |
| S 0373 0060 001 S | S 0373 0060 004 S | S 0373 0060 015 S | 4 0373 0061 004 4 | 4 0373 0062 004   | :              | 0373 0063 001 :    |
| T 0373 0060 001 T | T 0373 0060 004 T | T 0373 0060 015 T | 5 0373 0061 004 5 | 5 0373 0062 003   |                | 0373 0063 001 =    |
| U 0373 0060 001 U | U 0373 0060 004 U | U 0373 0060 015 U | 6 0373 0061 004 6 | 6 0373 0062 002   | Ⓜ              | 0373 0063 001 ALTB |
| V 0373 0060 001 V | V 0373 0060 004 V | V 0373 0060 015 V | 7 0373 0061 004 7 | 7 0373 0062 008   |                |                    |
| W 0373 0060 001 W | W 0373 0060 004 W | W 0373 0060 015 W | 8 0373 0061 004 8 | 8 0373 0062 013   |                |                    |
| X 0373 0060 001 X | X 0373 0060 004 X | X 0373 0060 015 X | 9 0373 0061 004 9 | 9 0373 0062 001   |                |                    |
| Y 0373 0060 001 Y | Y 0373 0060 004 Y | Y 0373 0060 015 Y |                   | 0373 0062 015     |                |                    |
| Z 0373 0060 001 Z | Z 0373 0060 004 Z | Z 0373 0060 015 Z |                   |                   |                |                    |

**Narrow markers (width 2,1 mm) in booklets of 200 markers with identical legend and colour**

| article number    | article number    | article number    | article number    | article number    | article number | article number     |
|-------------------|-------------------|-------------------|-------------------|-------------------|----------------|--------------------|
| A 0373 0065 001 A | A 0373 0065 004 A | A 0373 0065 015 A | 0 0373 0066 001 0 | 0 0373 0066 010 0 | +              | 0373 0068 001 +    |
| B 0373 0065 001 B | B 0373 0065 004 B | B 0373 0065 015 B | 1 0373 0066 001 1 | 1 0373 0066 006 1 | -              | 0373 0068 001 -    |
| C 0373 0065 001 C | C 0373 0065 004 C | C 0373 0065 015 C | 2 0373 0066 001 2 | 2 0373 0066 007 2 | /              | 0373 0068 001 /    |
| D 0373 0065 001 D | D 0373 0065 004 D | D 0373 0065 015 D | 3 0373 0066 001 3 | 3 0373 0066 005 3 | *              | 0373 0068 001 *    |
| E 0373 0065 001 E | E 0373 0065 004 E | E 0373 0065 015 E | 4 0373 0066 001 4 | 4 0373 0066 004 4 | ⤴              | 0373 0068 001 ETO  |
| F 0373 0065 001 F | F 0373 0065 004 F | F 0373 0065 015 F | 5 0373 0066 001 5 | 5 0373 0066 003 5 | △              | 0373 0068 001 TRI  |
| G 0373 0065 001 G | G 0373 0065 004 G | G 0373 0065 015 G | 6 0373 0066 001 6 | 6 0373 0066 002 6 | ≡              | 0373 0068 001 CRE  |
| H 0373 0065 001 H | H 0373 0065 004 H | H 0373 0065 015 H | 7 0373 0066 001 7 | 7 0373 0066 008 7 | .              | 0373 0068 001 .    |
| I 0373 0065 001 I | I 0373 0065 004 I | I 0373 0065 015 I | 8 0373 0066 001 8 | 8 0373 0066 013 8 | ↑              | 0373 0068 001 FV   |
| J 0373 0065 001 J | J 0373 0065 004 J | J 0373 0065 015 J | 9 0373 0066 001 9 | 9 0373 0066 001 9 | →              | 0373 0068 001 FH   |
| K 0373 0065 001 K | K 0373 0065 004 K | K 0373 0065 015 K |                   |                   | ⤵              | 0373 0068 001 MAS  |
| L 0373 0065 001 L | L 0373 0065 004 L | L 0373 0065 015 L |                   |                   | ⊥              | 0373 0068 001 TER  |
| M 0373 0065 001 M | M 0373 0065 004 M | M 0373 0065 015 M |                   |                   | ⊕              | 0373 0068 001 TEP  |
| N 0373 0065 001 N | N 0373 0065 004 N | N 0373 0065 015 N |                   |                   | ~              | 0373 0068 001 ALT  |
| O 0373 0065 001 O | O 0373 0065 004 O | O 0373 0065 015 O | 0 0373 0066 004 0 | 0 0373 0067 010   | Ω              | 0373 0068 001 OHM  |
| P 0373 0065 001 P | P 0373 0065 004 P | P 0373 0065 015 P | 1 0373 0066 004 1 | 1 0373 0067 006   | ρ              | 0373 0068 001 RHO  |
| Q 0373 0065 001 Q | Q 0373 0065 004 Q | Q 0373 0065 015 Q | 2 0373 0066 004 2 | 2 0373 0067 007   | ∩              | 0373 0068 001 SC   |
| R 0373 0065 001 R | R 0373 0065 004 R | R 0373 0065 015 R | 3 0373 0066 004 3 | 3 0373 0067 005   | :              | 0373 0068 001 ;    |
| S 0373 0065 001 S | S 0373 0065 004 S | S 0373 0065 015 S | 4 0373 0066 004 4 | 4 0373 0067 004   | :              | 0373 0068 001 :    |
| T 0373 0065 001 T | T 0373 0065 004 T | T 0373 0065 015 T | 5 0373 0066 004 5 | 5 0373 0067 003   |                | 0373 0068 001 =    |
| U 0373 0065 001 U | U 0373 0065 004 U | U 0373 0065 015 U | 6 0373 0066 004 6 | 6 0373 0067 002   | Ⓜ              | 0373 0068 001 ALTB |
| V 0373 0065 001 V | V 0373 0065 004 V | V 0373 0065 015 V | 7 0373 0066 004 7 | 7 0373 0067 008   |                |                    |
| W 0373 0065 001 W | W 0373 0065 004 W | W 0373 0065 015 W | 8 0373 0066 004 8 | 8 0373 0067 013   |                |                    |
| X 0373 0065 001 X | X 0373 0065 004 X | X 0373 0065 015 X | 9 0373 0066 004 9 | 9 0373 0067 001   |                |                    |
| Y 0373 0065 001 Y | Y 0373 0065 004 Y | Y 0373 0065 015 Y |                   | 0373 0067 015     |                |                    |
| Z 0373 0065 001 Z | Z 0373 0065 004 Z | Z 0373 0065 015 Z |                   |                   |                |                    |

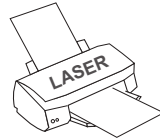




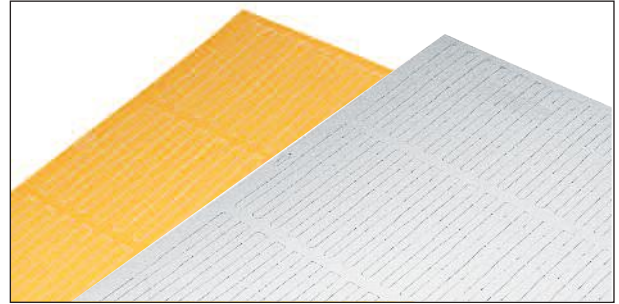



**LMB**

**Material:** PET  
**Operating temperatures:** -20 to +60°C  
**Label thickness:** 0,195 mm  
**Standard colours:** white - yellow



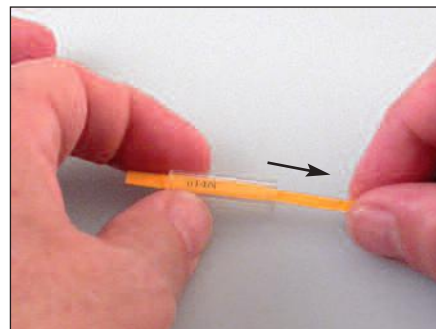
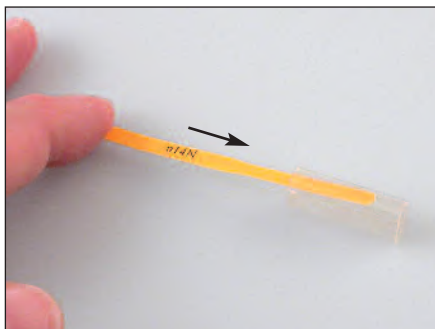
**Specification:**  
 - printed on a LASER printer  
 - double sided printing: 1 side colour white and 1 side colour yellow



| type       | artide number | dimensions label (mm) | no. labels / card | size of the card |  |
|------------|---------------|-----------------------|-------------------|------------------|---|
| LMB 30/4,6 | 0373 0100 000 | 30 x 4,6              | 48                | A5               | 10  |



Label LMB allows a personalized marking of your cables on a LASER printer. It slips easily into all our carriers **PLIOGRAPH** PLUS thanks to its adapted form, and is maintained inside after installation and cut of the strip.



You can download the printing software **PLIOMARK-PRINT** for these labels on our web site: [www.ses-sterling.com](http://www.ses-sterling.com), choose **Downloads**, then **Software and drivers**.

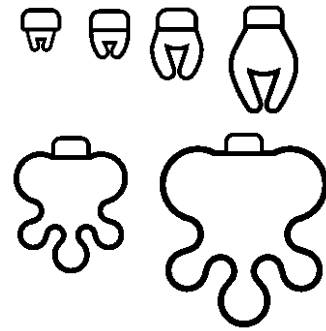



B5/2-01



**Transparent carriers**

**Material:** PVC  
**Colour:** transparent  
**In 6 sizes:** for wires and cables of Ø 1,1 to 30 mm.  
**4 lengths:** 3, 6, 8 and 10 standard markers type 150, or  
 4, 8, 11 and 14 narrow markers type 200  
 In strips of 0,60 m for cutting to required length.



| type  | artide number | Ø wire o.d.<br>mm | for number max.<br>of legends |           |  |
|---|---------------|-------------------|-------------------------------|-----------|---|
|   |               |                   | standard*1)                   | narrow*2) |   |
| <b>Transparent carriers length 10 mm</b> (supplied in bags) |               |                   |                               |           |   |
| 33-100  | 0365 0101 000 | 1,1 - 3,3         | 3                             | 4         | 100   |
| 45-100  | 0365 0102 000 | 1,5 - 4,5         | 3                             | 4         | 100   |
| 80-100  | 0365 0103 000 | 3 - 8             | 3                             | 4         | 100   |
| 130-100   | 0365 0104 000 | 6 - 13            | 3                             | 4         | 100   |
| 220-100   | 0365 0105 000 | 10 - 22           | 3                             | 4         | 100   |
| <b>Transparent carriers length 18 mm</b> (supplied in bags) |               |                   |                               |           |   |
| 33-180  | 0365 0111 000 | 1,1 - 3,3         | 6                             | 8         | 100   |
| 45-180  | 0365 0112 000 | 1,5 - 4,5         | 6                             | 8         | 100   |
| 80-180  | 0365 0113 000 | 3 - 8             | 6                             | 8         | 100   |
| 130-180   | 0365 0114 000 | 6 - 13            | 6                             | 8         | 100   |
| 220-180   | 0365 0115 000 | 10 - 22           | 6                             | 8         | 100   |
| <b>Transparent carriers length 25 mm</b> (supplied in bags) |               |                   |                               |           |   |
| 33-250  | 0365 0121 000 | 1,1 - 3,3         | 8                             | 11        | 100   |
| 45-250  | 0365 0122 000 | 1,5 - 4,5         | 8                             | 11        | 100   |
| 80-250  | 0365 0123 000 | 3 - 8             | 8                             | 11        | 100   |
| 130-250   | 0365 0124 000 | 6 - 13            | 8                             | 11        | 100   |
| 220-250   | 0365 0125 000 | 10 - 22           | 8                             | 11        | 100   |
| <b>Transparent carriers length 32 mm</b> (supplied in bags) |               |                   |                               |           |   |
| 33-320  | 0365 0131 000 | 1,1 - 3,3         | 10                            | 14        | 100   |
| 45-320  | 0365 0132 000 | 1,5 - 4,5         | 10                            | 14        | 100   |
| 80-320  | 0365 0133 000 | 3 - 8             | 10                            | 14        | 100   |
| 130-320   | 0365 0134 000 | 6 - 13            | 10                            | 14        | 100   |
| 220-320   | 0365 0135 000 | 10 - 22           | 10                            | 14        | 100   |
| 300-320   | 0365 0136 000 | 13 - 30           | 10                            | 14        | 100   |

\*1) width 2,8 mm (booklets type 150)

\*2) width 2,1 mm (booklets type 200)

**Transparent carriers in length 0,60 m for markings**  
requiring lengths greater than shown above (supplied in boxes)

|       |               |           |  |  |    |
|-------|---------------|-----------|--|--|----|
| 33-0  | 0365 0151 000 | 1,1 - 3,3 |  |  | 45 |
| 45-0  | 0365 0152 000 | 1,5 - 4,5 |  |  | 28 |
| 80-0  | 0365 0153 000 | 3 - 8     |  |  | 18 |
| 130-0 | 0365 0154 000 | 6 - 13    |  |  | 12 |
| 220-0 | 0365 0155 000 | 10 - 22   |  |  | 6  |
| 300-0 | 0365 0156 000 | 13 - 30   |  |  | 3  |



# Double carriers in flexible PVC



PLIOGRAPH<sup>PLUS</sup>



## Transparent carriers

**Material:** PVC  
**Colour:** transparent  
**In 6 sizes** for wires and cables of Ø 1,5 to 30 mm.  
**4 lengths:** 3, 6, 8 and 10 standard markers type 150, or 4, 8, 11 and 14 narrow markers type 200  
 In strips of 0,60 m for cutting to required length.



45D



80D



130D



220D



300D

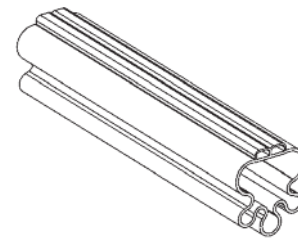
| type | artide number | Ø wire o.d.<br>mm | for number max.<br>of legends |           |  |
|------|---------------|-------------------|-------------------------------|-----------|--|
|      |               |                   | standard*1)                   | narrow*2) |  |

### Transparent carriers length 10 mm

|          |               |           |      |      |     |
|----------|---------------|-----------|------|------|-----|
| 45D-100  | 0365 0302 000 | 1,5 - 4,5 | 2x 3 | 2x 4 | 100 |
| 80D-100  | 0365 0303 000 | 3 - 8     | 2x 3 | 2x 4 | 100 |
| 130D-100 | 0365 0304 000 | 6 - 13    | 2x 3 | 2x 4 | 100 |
| 220D-100 | 0365 0305 000 | 10 - 22   | 2x 3 | 2x 4 | 100 |

### Transparent carriers length 18 mm

|          |               |           |      |      |     |
|----------|---------------|-----------|------|------|-----|
| 45D-180  | 0365 0312 000 | 1,5 - 4,5 | 2x 6 | 2x 8 | 100 |
| 80D-180  | 0365 0313 000 | 3 - 8     | 2x 6 | 2x 8 | 100 |
| 130D-180 | 0365 0314 000 | 6 - 13    | 2x 6 | 2x 8 | 100 |
| 220D-180 | 0365 0315 000 | 10 - 22   | 2x 6 | 2x 8 | 100 |



### Transparent carriers length 25 mm

|          |               |           |      |       |     |
|----------|---------------|-----------|------|-------|-----|
| 45D-250  | 0365 0322 000 | 1,5 - 4,5 | 2x 8 | 2x 11 | 100 |
| 80D-250  | 0365 0323 000 | 3 - 8     | 2x 8 | 2x 11 | 100 |
| 130D-250 | 0365 0324 000 | 6 - 13    | 2x 8 | 2x 11 | 100 |
| 220D-250 | 0365 0325 000 | 10 - 22   | 2x 8 | 2x 11 | 100 |



### Transparent carriers length 32 mm

|          |               |           |       |       |     |
|----------|---------------|-----------|-------|-------|-----|
| 45D-320  | 0365 0332 000 | 1,5 - 4,5 | 2x 10 | 2x 14 | 100 |
| 80D-320  | 0365 0333 000 | 3 - 8     | 2x 10 | 2x 14 | 100 |
| 130D-320 | 0365 0334 000 | 6 - 13    | 2x 10 | 2x 14 | 100 |
| 220D-320 | 0365 0335 000 | 10 - 22   | 2x 10 | 2x 14 | 100 |
| 300D-320 | 0365 0336 000 | 13 - 30   | 2x 10 | 2x 14 | 100 |



\*1) width 2,8 mm (booklets type 150)

\*2) width 2,1 mm (booklets type 200)



Markers **PLIOGRAPH<sup>PLUS</sup>**  
and **PLIOGRAPH<sup>2000</sup>**  
(B5/1-01 to 03)



Labels  
**PLIOGRAPH<sup>PLUS</sup>**  
(B5/1-04)



Plates **PLIOSCRIB**  
**14-1177**  
(B5/1-03)



Profil **M1P-M45** for  
**PLIOSCRIB** printer  
(B13/21-02)



**• “PR” PLIOGRAPH<sup>PLUS</sup> carriers  
in ethylene vinyl acetate (halogen free)**

**“PR” transparent carriers**

**Three sizes:** for Ø 1 to 9 mm

**Material:** EVA halogen free (- 10 to + 65°C)

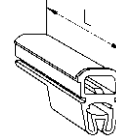
**Colour:** clear

**With marker holder:**

For wires and cables of Ø 1 to 9.

**In 3 sizes:** 1 of them in 2 lengths.

For 6 to 7 standard markers for type 150  
or 8 to 9 narrow markers for type 200.



The design of these carriers allows identification, even when the cable is warped.



| type   | article number | Ø wire o.d.<br>mm | for number max.<br>of legends |           | Length L<br>mm |     |
|--|----------------|-------------------|-------------------------------|-----------|----------------|-----|
|  |                |                   | standard*1)                   | narrow*2) |                |     |
| <b>“PR” transparent carriers (Delivered in bags)</b> |                |                   |                               |           |                |     |
| PR 30-17   | 0373 0910 000  | 1 - 3             | 6                             | 8         | 17             | 100 |
| PR 30-22   | 0373 0911 000  | 1 - 3             | 7                             | 9         | 22             | 100 |
| PR 50-17   | 0373 0912 000  | 2 - 5             | 6                             | 8         | 17             | 100 |
| PR 90-17   | 0373 0913 000  | 4 - 9             | 6                             | 8         | 17             | 100 |

\*1) width 2,8 mm (booklets typ 150)

\*2) width 2,1 mm (booklets typ 200)

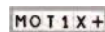
Markers are inserted into the “PR” transparent carriers on top of the cable clamping sleeve (see opposite illustration).



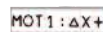
**Carriers**

type PR  
length 17 mm

6 markers  
type 150

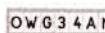


8 markers  
type 200

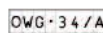


type PR  
length 22 mm

7 markers  
type 150



9 markers  
type 200




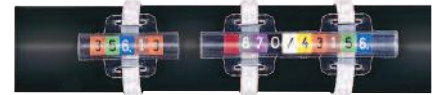


• **"PRA" PLIOGRAPH<sup>PLUS</sup> carriers in flexible PVC, with eyelet fasteners**

**Material:** flexible PVC  
**Colour:** transparent  
**In 2 lengths:** for 6 to 13 standard markers for type 150  
 or 9 to 18 narrow markers for type 200  
 To identify cable bundles,  
 large diameter cables and tubes.



| type                  | article number | for number max. of legends |           | Length L mm |  |
|-----------------------|----------------|----------------------------|-----------|-------------|---|
|                       |                | standard*1)                | narrow*2) |             |   |
| <b>"PRA" carriers</b> |                |                            |           |             |   |
| PRA 20-6              | 0373 0930 000  | 6                          | 9         | 20          | 100   |
| PRA 40-12             | 0373 0931 000  | 13                         | 18        | 40          | 100   |

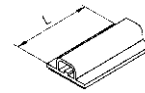


\*1) width 2,8 mm (booklets type 150)  
 \*2) width 2,1 mm (booklets type 200)


• **Self-adhesive "PRB" PLIOGRAPH<sup>PLUS</sup> carriers in PVC**

**Self-adhesive "PRB" carriers**

**Material:** rigid PVC (base) flexible PVC (holder)  
**Colour:** white - transparent  
**In 4 lengths:** for 3, 6,8 and 10 standard markers for type 150,  
 4, 8, 11 and 14 narrow markers for type 200

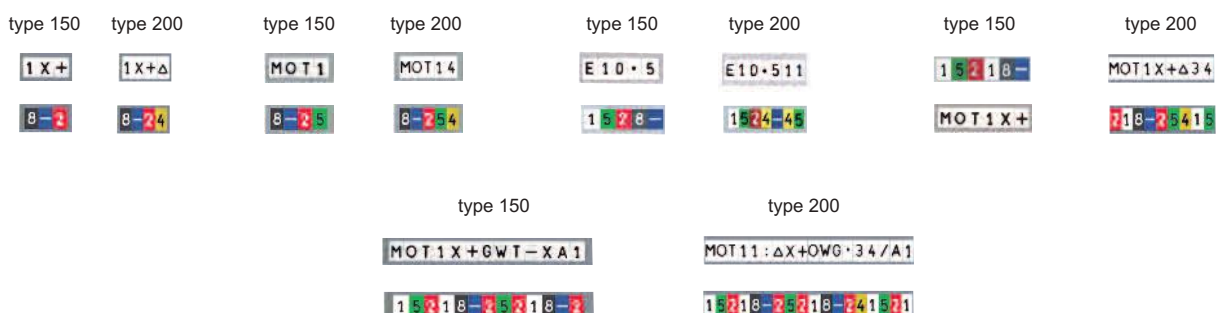


To identify terminals, ...

| type                  | article number | for number max. of legends |           | Length L mm |  |
|-----------------------|----------------|----------------------------|-----------|-------------|---|
|                       |                | standard*1)                | narrow*2) |             |   |
| <b>"PRB" carriers</b> |                |                            |           |             |   |
| PRB 10-3              | 0373 0932 000  | 3                          | 4         | 10          | 100   |
| PRB 18-5              | 0373 0933 000  | 6                          | 8         | 18          | 100   |
| PRB 25-7              | 0373 0934 000  | 8                          | 11        | 25          | 100   |
| PRB 32-10             | 0373 0935 000  | 10                         | 14        | 32          | 100   |



\*1) width 2,8 mm (booklets type 150)  
 \*2) width 2,1 mm (booklets type 200)







**Identification mounting tools**

with concave tab.

4 kinds of mounting tools :


- with a 17 mm prong, to mount **up to 5 markers**.
- with a 25 mm prong, to mount **up to 8 markers**.
- with two 17 mm prongs, for **simultaneous mounting of 2 identical markers**.\*
- with two 25 mm prongs, for **simultaneous mounting of 2 identical markers**.

\* for PLIOGRAPH<sup>PLUS</sup> markers only

**Demounting tool**

used to remove markers for modifications.



| type  | article number |  pce |
|---|----------------|--|
| PLIOGRAPH <sup>PLUS &amp; 2000</sup> short mounting tool (17 mm)  | 0373 0181 000  | 1  |
| PLIOGRAPH <sup>PLUS &amp; 2000</sup> long mounting tool (25 mm)   | 0373 0182 000  | 1  |
| PLIOGRAPH <sup>PLUS</sup> double mounting tool (17 mm)            | 0373 0183 000  | 1  |
| PLIOGRAPH <sup>PLUS &amp; 2000</sup> double mounting tool (25 mm) | 0373 0185 000  | 1  |
| PLIOGRAPH <sup>PLUS &amp; 2000</sup> demounting tool              | 0373 0184 000  | 1  |

• **PLIOGRAPH<sup>PLUS</sup> plate**  
for PLIOGRAPH<sup>PLUS</sup> marker distribution

Empty **plaque** for marker distribution.

One plaque is available for 10 x 4 rows -  
or 20 x 2 rows - of 15 markers.

i.e. **600 markers** as total possibility.

| type  | article number |  pce |
|---|----------------|--|
| PLIOGRAPH <sup>PLUS</sup> empty plaque for 40 rows of legends | 0373 0176 000  | 1<br>in a case   |



• **PLIOGRAPH<sup>2000</sup> plate**  
for PLIOGRAPH<sup>2000</sup> marker distribution

Empty **plate** for marker distribution.

One plate is available for 23 strings of 25 markers.  
or a total of **575 markers**.

| type                                  | article number |  pce |
|---------------------------------------|----------------|--|
| Empty PLIOGRAPH <sup>2000</sup> plate | 0373 0120 000  | 1  |



# Combs

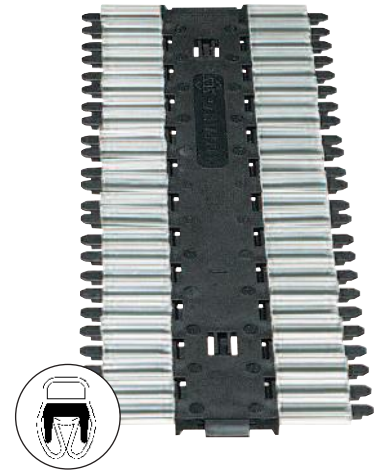
for identical identification of the ends of the same conductor



PLIOGRAPH<sup>PLUS</sup>

## • Comb with transparent carriers

| type  | article number | designation               |   |
|---|----------------|---------------------------|---|
| <b>with 48 transparent carriers length 10 mm</b><br>for 3 markers type 150 or 4 markers type 200  |                |                           |   |
| 45-10   | 0373 0301 000  | Comb with carriers 45-100 | 6 |
| 80-10   | 0373 0302 000  | Comb with carriers 80-100 | 5 |
| <b>with 48 transparent carriers length 18 mm</b><br>for 6 markers type 150 or 8 markers type 200  |                |                           |   |
| 45-18   | 0373 0311 000  | Comb with carriers 45-180 | 6 |
| 80-18   | 0373 0312 000  | Comb with carriers 80-180 | 5 |
| <b>with 48 transparent carriers length 25 mm</b><br>for 8 markers type 150 or 11 markers type 200 |                |                           |   |
| 45-25   | 0373 0321 000  | Comb with carriers 45-250 | 6 |
| 80-25   | 0373 0322 000  | Comb with carriers 80-250 | 5 |



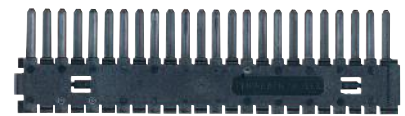
## • Empty comb

| type                              | article number | designation                                       |    |
|-----------------------------------|----------------|---|----|
| <b>Empty comb for 48 carriers</b> |                |   |    |
| 45                                | 0373 0341 000  | for transparent carriers 45-100 / 45-180 / 45-250 | 10 |
| 80                                | 0373 0342 000  | for transparent carriers 80-100 / 80-180 / 80-250 | 10 |



## • Empty mini-comb for 24 carriers

| type                                   | article number | designation                                       |    |
|--|----------------|---|----|
| <b>Empty mini-comb for 24 carriers</b> |                |   |    |
| 45/24-mini                             | 0373 0351 000  | for transparent carriers 45-100 / 45-180 / 45-250 | 20 |
| 80/24-mini                             | 0373 0352 000  | for transparent carriers 80-100 / 80-180 / 80-250 | 15 |



## • White marking pen

| type            | article number | colour | Nylon point |   |
|-----------------|----------------|--------|-------------|---|
| PLIO-780 opaque | 0307 0504 001  | white  | fine tip    | 1 |



**Double marking process  
for identical identification of the  
ends of the same conductor**

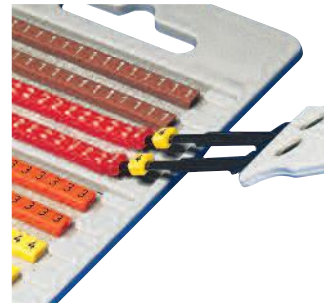


**PLIOGRAPH<sup>PLUS</sup>**

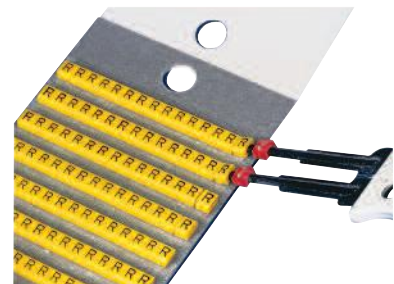
The **PLIOGRAPH<sup>PLUS</sup>** double tool  
or the **PLIOGRAPH<sup>2000</sup>** double tool  
to simultaneously compose two identical markings



... and the **PLIOGRAPH<sup>PLUS</sup>** plate  
for distribution of the markers



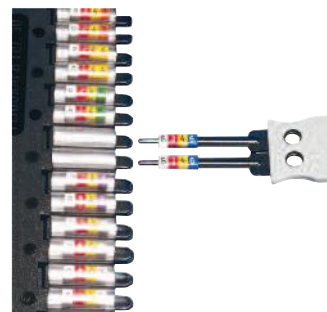
... or **PLIOGRAPH<sup>PLUS</sup>** booklets  
for distribution of markers



...or **PLIOGRAPH<sup>2000</sup>** strings  
for marker distribution



... **PLIOGRAPH<sup>PLUS</sup>** full combs  
during marking process



... **PLIOGRAPH<sup>PLUS</sup>** combs  
dividable to identify both ends of the same conductor





With the PLIOGRAPHplus case, accessories are available at the work station and in the field. The case is produced in black shock-proof polypropylene (PP), and available in two versions:

- 1) fully equipped as indicated below
- 2) equipped with a minimum of tools, others can be added according to need

**Fully equipped case with foam lining and identification kit.**

including:

- 1 short mounting tool
- 1 long mounting tool
- 1 double mounting tool
- 1 demounting tool
- 5 empty plates, without case
- 1 box in rigid PVC with 4 compartments
- 2 crystal boxes
- 4 combs 45-18
- 6 empty combs size 45
- 100 transparent carriers size 45-100
- 100 transparent carriers size 45-180
- 10 booklets of yellow numerical markers 0 to 9
- 20 booklets of white numerical markers 0 to 9
- 10 booklets of numerical markers with international colour code 0 to 9




**Basic case, with foam lining and limited equipment.**

including:

- 1 short mounting tool
- 1 long mounting tool
- 1 double mounting tool
- 1 demounting tool
- 5 empty plates, without case
- 1 box in rigid PVC with 4 compartments
- 2 crystal boxes



| type  | article number | dimensions (mm)<br>Length x width x height | weight<br>g |  |
|---|----------------|--|-------------|---|
| <b>Equipped PLIOGRAPH<sup>PLUS</sup> case</b> | 0373 0020 000  | 445 x 350 x 95                             | 2600        | 1   |
| <b>Basic PLIOGRAPH<sup>PLUS</sup> case</b>    | 0373 0010 000  | 445 x 350 x 95                             | 1650        | 1   |






With the PLIOGRAPH<sup>2000</sup> case, accessories are available at the work station or in the field. The case is produced in black shock-proof polypropylene (PP).

**Basic case,**

including:

- 1 short mounting tool
- 1 long mounting tool
- 1 demounting tool
- 1 double mounting tool
- 2 PLIOGRAPH<sup>2000</sup> plates



| type  | article number | dimensions (mm)<br>Length x width x height | weight<br>g |  |
|---|----------------|--|-------------|---|
| <b>Equipped PLIOGRAPH<sup>2000</sup> case</b> | 0373 0122 000  | 250 x 250 x 110                            | 1425        | 1   |





- With PLIOBOX<sup>PLUS</sup>, all markers are ready for use.
- PLIOBOX<sup>PLUS</sup> stores 3 600 markers.
- PLIOBOX<sup>PLUS</sup> is a complementary box to the PLIOGRAPH<sup>PLUS</sup> case.
- PLIOBOX<sup>PLUS</sup> improves productivity.
- PLIOBOX<sup>PLUS</sup> sets markers in order.
- PLIOBOX<sup>PLUS</sup> allows a full view of all markers.
- PLIOBOX<sup>PLUS</sup> and the PLIOGRAPH<sup>PLUS</sup> case is the perfect equipment for all marking operations.

With PLIOBOX<sup>PLUS</sup>, everything is ready for able identification from 0,72 mm<sup>2</sup> and up.

PLIOBOX<sup>PLUS</sup> is supplied without markers, so that it can be equipped according to user needs.

PLIOBOX<sup>PLUS</sup> includes:

- 12 compartments with transparent lids to store carriers of different sizes and lengths.
- 1 set of 18 labels (23 x 11 mm) to identify the 12 compartments.
- 10 hinged supports for 3 600 markers (i.e. 60 different legends).
- 1 storage cabinet for reserve marker booklets.
- 4 PLIOGRAPH<sup>PLUS</sup> tools (1 short mounting tool, 1 long and 1 double tool, and 1 demounting tool).
- Dimensions of case: 250 x 250 x 110 mm.
- Weight of empty case: 1,5 kg.


Each PLIOBOX<sup>PLUS</sup> is equipped with a booklet explaining how to use the case.

PLIOGRAPH<sup>PLUS</sup> markers are on hinged supports allowing quick access. On each support, tabs can be marked on both sides by 2 index markers, so that the corresponding markers can be found more easily. The carriers are neatly stowed in the compartments of the PLIOBOX<sup>PLUS</sup> lid.

The hinged supports can be removed from the PLIOBOX<sup>PLUS</sup> so that work can be done under best conditions on site. The plate-holder is equipped with a non-skid base.

PLIOBOX<sup>PLUS</sup> can be carried without restriction. The packaging of the PLIOGRAPH<sup>PLUS</sup> material is arranged so the contents are well supported and protected.



| type  | article number | dimensions (mm)<br>Length x width x height | weight<br>g |  |
|---|----------------|--|-------------|---|
| <b>PLIOBOX<sup>PLUS</sup> with plate support and 10 supports, without legends</b> |                |  |             |   |
| <b>PLIOBOX<sup>PLUS</sup> empty</b>   | 0373 0011 000  | 250 x 250 x 110                            | 1500        | 1   |
| <b>Spares for PLIOBOX<sup>PLUS</sup></b>  |                |  |             |   |
| <b>Plate support</b>  | 0373 0400 000  |  |             | 1   |
| <b>Plate</b>  | 0373 0401 000  |  |             | 1   |





# B6

## Polychloroprene wire markers



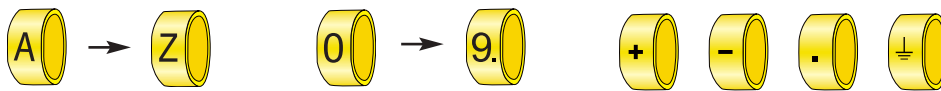






### HELAVIA-TWIN

**Material:** polychloroprene  
**Standard colour:** yellow  
**Temperature of use:** -40 to +90°C  
**Shore hardness A:** 40 ±5  
**Resistance** to light : good  
to ozone : good  
to petrol: good  
to tearing: good  
**Flame resistance:** V0 UL94  
**Dielectric strength:** > 13 kV/mm  
**Specifications:** black print on one or both sides protected by a coat  
**Application:** the markers give a neat professional appearance. Due to their great elasticity and thin wall, they close fit the cable and remain firmly in position.



Example for order:

| code group | detail article | code colour | code marker |
|------------|----------------|-------------|-------------|
| 03520      | x x x          | 004         | x x x       |

HT-0 standard pack **B** 03520011004B

#### detail article

| type                   | standard pack <sup>(1)</sup> |     | bulk pack <sup>(1)</sup> |      | for wires Ø (mm) | width of the markers mm | print height mm |
|------------------------|------------------------------|-----|--------------------------|------|------------------|-------------------------|-----------------|
|                        | article number               | pcs | article number           | pcs  |                  |                         |                 |
| HT-0                   | 0352 0011 004 ***            | 100 | 0352 0001 004 ***        | 1000 | 1,2 ... 2        | 3,8                     | 1,8             |
| HT-1                   | 0352 0012 004 ***            | 100 | 0352 0002 004 ***        | 1000 | 2 ... 3,5        | 3,8 ... 5,5             | 2,6             |
| HT-1bis <sup>(2)</sup> | 0352 0017 004 ***            | 100 | 0352 0007 004 ***        | 1000 | 2,5 ... 3,5      | 3,8 ... 5,5             | 2,6             |
| HT-2                   | 0352 0013 004 ***            | 100 | 0352 0003 004 ***        | 1000 | 3 ... 5,5        | 3,8 ... 5,5             | 2,6             |
| HT-3                   | 0352 0014 004 ***            | 100 | 0352 0004 004 ***        | 500  | 5 ... 8          | 4,9 ... 6,5             | 3,7             |
| HT-4                   | 0352 0015 004 ***            | 100 | 0352 0005 004 ***        | 500  | 7,5 ... 11       | 4,9 ... 6,5             | 3,7             |
| HT-5                   | 0352 0016 004 ***            | 100 | 0352 0006 004 ***        | 500  | 10 ... 14        | 6 ... 7,9               | 6,3             |

<sup>(1)</sup> pack per type and legend <sup>(2)</sup> with reinforced wall

#### code markers

|                          |                          |                          |                            |
|--------------------------|--------------------------|--------------------------|----------------------------|
| <b>A</b> 0352 0*** 004 A | <b>N</b> 0352 0*** 004 N | <b>0</b> 0352 0*** 004 0 | <b>+</b> 0352 0*** 004 +   |
| <b>B</b> 0352 0*** 004 B | <b>O</b> 0352 0*** 004 O | <b>1</b> 0352 0*** 004 1 | <b>-</b> 0352 0*** 004 -   |
| <b>C</b> 0352 0*** 004 C | <b>P</b> 0352 0*** 004 P | <b>2</b> 0352 0*** 004 2 | <b>.</b> 0352 0*** 004 .   |
| <b>D</b> 0352 0*** 004 D | <b>Q</b> 0352 0*** 004 Q | <b>3</b> 0352 0*** 004 3 | <b>⊥</b> 0352 0*** 004 TER |
| <b>E</b> 0352 0*** 004 E | <b>R</b> 0352 0*** 004 R | <b>4</b> 0352 0*** 004 4 |                            |
| <b>F</b> 0352 0*** 004 F | <b>S</b> 0352 0*** 004 S | <b>5</b> 0352 0*** 004 5 |                            |
| <b>G</b> 0352 0*** 004 G | <b>T</b> 0352 0*** 004 T | <b>6</b> 0352 0*** 004 6 |                            |
| <b>H</b> 0352 0*** 004 H | <b>U</b> 0352 0*** 004 U | <b>7</b> 0352 0*** 004 7 |                            |
| <b>I</b> 0352 0*** 004 I | <b>V</b> 0352 0*** 004 V | <b>8</b> 0352 0*** 004 8 |                            |
| <b>J</b> 0352 0*** 004 J | <b>W</b> 0352 0*** 004 W | <b>9</b> 0352 0*** 004 9 |                            |
| <b>K</b> 0352 0*** 004 K | <b>X</b> 0352 0*** 004 X |                          |                            |
| <b>L</b> 0352 0*** 004 L | <b>Y</b> 0352 0*** 004 Y |                          |                            |
| <b>M</b> 0352 0*** 004 M | <b>Z</b> 0352 0*** 004 Z |                          |                            |

Other symbols on request

D1/0

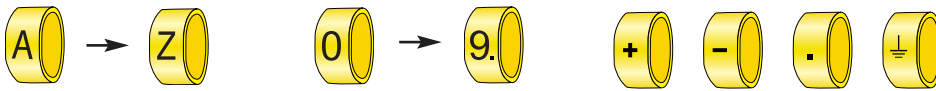




### HELAVIA LASER-ONE

|                             |                          |
|-----------------------------|--------------------------|
| <b>Material:</b>            | polychloroprene          |
| <b>Standard colour:</b>     | yellow                   |
| <b>Temperature of use:</b>  | -40 to +90°C             |
| <b>Shore hardness A:</b>    | 40 ±5                    |
| <b>Resistance</b>           |                          |
| to light :                  | good                     |
| to ozone :                  | good                     |
| to petrol:                  | good                     |
| to tearing:                 | good                     |
| <b>Flame resistance:</b>    | V0 UL94                  |
| <b>Dielectric strength:</b> | > 13 kV/mm               |
| <b>Specifications:</b>      | LASER engraved on 1 side |

**Application:** LASER-ONE marking rings allow cable identification prior to connection. The identification is clean, indelible and unalterable.



Example for order:

| code group | detail article | code colour | code marker |
|------------|----------------|-------------|-------------|
| 0332       | 0xxx           | 004         | xxxx        |

HLO-1 **F** 033200020004F

#### detail article

| type                    | article number    | for wires Ø (mm) | marker width mm | print height mm | pcs (1) |
|-------------------------|-------------------|------------------|-----------------|-----------------|---------|
| HLO-0                   | 0332 0001 004 *** | 1,2 ... 2        | 4               | 1,5             | 100     |
| HLO-1                   | 0332 0002 004 *** | 2 ... 3,5        | 4               | 2               | 100     |
| HLO-1bis <sup>(2)</sup> | 0332 0007 004 *** | 2,5 ... 3,5      | 5               | 2,1             | 100     |
| HLO-2                   | 0332 0003 004 *** | 3 ... 5,5        | 5               | 2,3             | 100     |

<sup>(1)</sup> pack per type and legend      <sup>(2)</sup> with reinforced wall

#### code markers

|                          |                          |                           |                            |
|--------------------------|--------------------------|---------------------------|----------------------------|
| <b>A</b> 0332 0*** 004 A | <b>N</b> 0332 0*** 004 N | <b>0</b> 0332 0*** 004 0  | <b>+</b> 0332 0*** 004 +   |
| <b>B</b> 0332 0*** 004 B | <b>O</b> 0332 0*** 004 O | <b>1</b> 0332 0*** 004 1  | <b>-</b> 0332 0*** 004 -   |
| <b>C</b> 0332 0*** 004 C | <b>P</b> 0332 0*** 004 P | <b>2</b> 0332 0*** 004 2  | <b>.</b> 0332 0*** 004 .   |
| <b>D</b> 0332 0*** 004 D | <b>Q</b> 0332 0*** 004 Q | <b>3</b> 0332 0*** 004 3  | <b>⊥</b> 0332 0*** 004 TER |
| <b>E</b> 0332 0*** 004 E | <b>R</b> 0332 0*** 004 R | <b>4</b> 0332 0*** 004 4  |                            |
| <b>F</b> 0332 0*** 004 F | <b>S</b> 0332 0*** 004 S | <b>5</b> 0332 0*** 004 5  |                            |
| <b>G</b> 0332 0*** 004 G | <b>T</b> 0332 0*** 004 T | <b>6.</b> 0332 0*** 004 6 |                            |
| <b>H</b> 0332 0*** 004 H | <b>U</b> 0332 0*** 004 U | <b>7</b> 0332 0*** 004 7  |                            |
| <b>I</b> 0332 0*** 004 I | <b>V</b> 0332 0*** 004 V | <b>8</b> 0332 0*** 004 8  |                            |
| <b>J</b> 0332 0*** 004 J | <b>W</b> 0332 0*** 004 W | <b>9.</b> 0332 0*** 004 9 |                            |
| <b>K</b> 0332 0*** 004 K | <b>X</b> 0332 0*** 004 X |                           |                            |
| <b>L</b> 0332 0*** 004 L | <b>Y</b> 0332 0*** 004 Y |                           |                            |
| <b>M</b> 0332 0*** 004 M | <b>Z</b> 0332 0*** 004 Z |                           |                            |

Other symbols on request

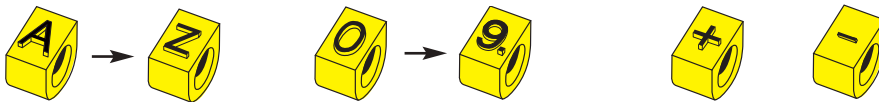


**HELAVIA-RELIEF**

**Material:** polychloroprene  
**Standard colour:** yellow  
**Temperatures of use:** -40 to +90°C  
**Shore hardness A:** 30 +/-5  
**Resistance to light:** good  
**to ozone:** good  
**to tearing:** good  
**Dielectric strength:** > 13 kV/mm  
**Specification:** HB UL94 - FMVSS302  
**Specifications:** raised legends on 1 side - black-coloured



**Application:** HELAVIA markers are moulded with raised legends. Legends can even be read when they are covered with dust deposits, ink, coloured liquids or other products.




Example for order:

| code group | detail article | code colour | code marker |
|------------|----------------|-------------|-------------|
| 0251       | 0xxx           | 004         | xxxx        |

HR-1 c 025100010001004C

**detail article**

| type | article number    | for wires<br>Ø (mm) | marker width<br>mm | print height<br>mm |  pces |
|------|-------------------|---------------------|--------------------|--------------------|--|
| HR-1 | 0251 0001 004 *** | 2 ... 3,5           | 3                  | 3                  | 100  |
| HR-2 | 0251 0002 004 *** | 3 ... 6             | 4                  | 3,8                | 100  |
| HR-3 | 0251 0003 004 *** | 6 ... 8,5           | 5                  | 5,5                | 100  |
| HR-4 | 0251 0004 004 *** | 8,5 ... 10,5        | 6                  | 6,5                | 100  |
| HR-5 | 0251 0005 004 *** | 10,5 ... 14         | 8                  | 9                  | 100  |

**code markers**

|                          |                          |                          |                          |
|--------------------------|--------------------------|--------------------------|--------------------------|
| <b>A</b> 0251 0*** 004 A | <b>N</b> 0251 0*** 004 N | <b>0</b> 0251 0*** 004 0 | <b>+</b> 0251 0*** 004 + |
| <b>B</b> 0251 0*** 004 B | <b>O</b> 0251 0*** 004 O | <b>1</b> 0251 0*** 004 1 | <b>-</b> 0251 0*** 004 - |
| <b>C</b> 0251 0*** 004 C | <b>P</b> 0251 0*** 004 P | <b>2</b> 0251 0*** 004 2 |                          |
| <b>D</b> 0251 0*** 004 D | <b>Q</b> 0251 0*** 004 Q | <b>3</b> 0251 0*** 004 3 |                          |
| <b>E</b> 0251 0*** 004 E | <b>R</b> 0251 0*** 004 R | <b>4</b> 0251 0*** 004 4 |                          |
| <b>F</b> 0251 0*** 004 F | <b>S</b> 0251 0*** 004 S | <b>5</b> 0251 0*** 004 5 |                          |
| <b>G</b> 0251 0*** 004 G | <b>T</b> 0251 0*** 004 T | <b>6</b> 0251 0*** 004 6 |                          |
| <b>H</b> 0251 0*** 004 H | <b>U</b> 0251 0*** 004 U | <b>7</b> 0251 0*** 004 7 |                          |
| <b>I</b> 0251 0*** 004 I | <b>V</b> 0251 0*** 004 V | <b>8</b> 0251 0*** 004 8 |                          |
| <b>J</b> 0251 0*** 004 J | <b>W</b> 0251 0*** 004 W | <b>9</b> 0251 0*** 004 9 |                          |
| <b>K</b> 0251 0*** 004 K | <b>X</b> 0251 0*** 004 X |                          |                          |
| <b>L</b> 0251 0*** 004 L | <b>Y</b> 0251 0*** 004 Y |                          |                          |
| <b>M</b> 0251 0*** 004 M | <b>Z</b> 0251 0*** 004 Z |                          |                          |

 D1/0

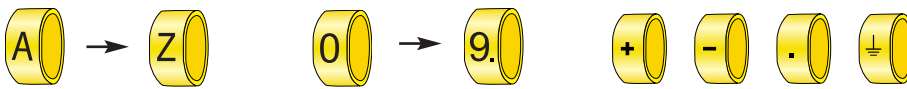
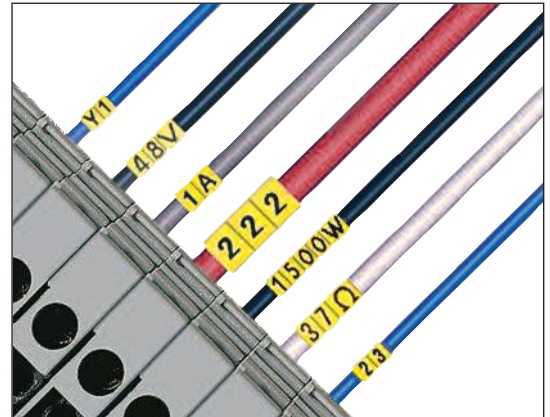




## SILAVIA-TWIN

**Material:** silicone  
**Standard colour:** yellow  
**Temperatures of use:** -80 to +200°C  
**Shore hardness A:** 40+5  
**Dielectric strength:** 18 kV / mm  
**Resistance to light:** good  
**Resistance to ozone:** very good  
**Specifications:** black print on 1 or both sides protected by a coat

**Application:** the markers give a neat professional appearance. Due to their great elasticity and thin wall, they close fit the cable and remain firmly in position.



Example for order:

| code group | detail article | code colour | code marker |
|------------|----------------|-------------|-------------|
| 03640      | x x x          | 004         | x x x       |

ST-5 03640006004TER

### detail article

| type | article number    | for wires Ø (mm) | marker width mm | print height mm | pcs |
|------|-------------------|------------------|-----------------|-----------------|-----|
| ST-0 | 0364 0001 004 *** | 1,3 ... 2        | 3,9             | 1,8             | 100 |
| ST-1 | 0364 0002 004 *** | 1,8 ... 3        | 3,9 ... 5,7     | 2,6             | 100 |
| ST-2 | 0364 0003 004 *** | 3 ... 5          | 3,9 ... 5,7     | 2,6             | 100 |
| ST-3 | 0364 0004 004 *** | 5 ... 7,5        | 4,9 ... 6,5     | 3,7             | 100 |
| ST-4 | 0364 0005 004 *** | 7,5 ... 10       | 4,9 ... 6,5     | 3,7             | 100 |
| ST-5 | 0364 0006 004 *** | 10 ... 13        | 6 ... 7,9       | 6,3             | 100 |

### code markers

|                          |                          |                          |                          |
|--------------------------|--------------------------|--------------------------|--------------------------|
| <b>A</b> 0364 0*** 004 A | <b>N</b> 0364 0*** 004 N | <b>0</b> 0364 0*** 004 0 | <b>+</b> 0364 0*** 004 + |
| <b>B</b> 0364 0*** 004 B | <b>O</b> 0364 0*** 004 O | <b>1</b> 0364 0*** 004 1 | <b>-</b> 0364 0*** 004 - |
| <b>C</b> 0364 0*** 004 C | <b>P</b> 0364 0*** 004 P | <b>2</b> 0364 0*** 004 2 | <b>.</b> 0364 0*** 004 . |
| <b>D</b> 0364 0*** 004 D | <b>Q</b> 0364 0*** 004 Q | <b>3</b> 0364 0*** 004 3 | 0364 0*** 004 TER        |
| <b>E</b> 0364 0*** 004 E | <b>R</b> 0364 0*** 004 R | <b>4</b> 0364 0*** 004 4 |                          |
| <b>F</b> 0364 0*** 004 F | <b>S</b> 0364 0*** 004 S | <b>5</b> 0364 0*** 004 5 |                          |
| <b>G</b> 0364 0*** 004 G | <b>T</b> 0364 0*** 004 T | <b>6</b> 0364 0*** 004 6 |                          |
| <b>H</b> 0364 0*** 004 H | <b>U</b> 0364 0*** 004 U | <b>7</b> 0364 0*** 004 7 |                          |
| <b>I</b> 0364 0*** 004 I | <b>V</b> 0364 0*** 004 V | <b>8</b> 0364 0*** 004 8 |                          |
| <b>J</b> 0364 0*** 004 J | <b>W</b> 0364 0*** 004 W | <b>9</b> 0364 0*** 004 9 |                          |
| <b>K</b> 0364 0*** 004 K | <b>X</b> 0364 0*** 004 X |                          |                          |
| <b>L</b> 0364 0*** 004 L | <b>Y</b> 0364 0*** 004 Y |                          |                          |
| <b>M</b> 0364 0*** 004 M | <b>Z</b> 0364 0*** 004 Z |                          |                          |

Other symbols on request

D1/0

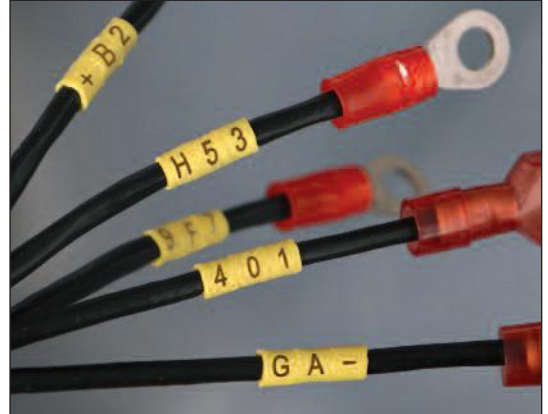




**SILAVIA LASER-ONE**

**Material:** silicone  
**Standard colour:** yellow  
**Temperatures of use:** -80 to +200°C  
**Shore hardness A:** 40+5  
**Dielectric strength:** 18 kV / mm  
**Resistance to light:** good  
**Resistance to ozone:** very good  
**Specifications:** laser engraved on 1 side

**Application:** The SILAVIA LASER-ONE marking rings allow cable identification prior to connection, in extreme temperature environments or for outdoor applications. The identification is clean, indelible and unalterable.



Example for order:

| code group | detail article | code colour | code marker |
|------------|----------------|-------------|-------------|
| 0334       | 0xxx           | 004         | xxxx        |

SLO-2 0:3:3:4:0:0:0:3:0:0:4:TER

**detail article**

| type  | article number    | for wires Ø (mm) | marker width mm | print height mm | pieces <sup>(1)</sup> |
|-------|-------------------|------------------|-----------------|-----------------|-----------------------|
| SLO-0 | 0334 0001 004 *** | 1,3 ... 2        | 4               | 1,5             | 100                   |
| SLO-1 | 0334 0002 004 *** | 1,8 ... 3        | 4               | 2               | 100                   |
| SLO-2 | 0334 0003 004 *** | 3 ... 5          | 5               | 2,3             | 100                   |

<sup>(1)</sup> pack per type and legend

**code markers**

|                          |                          |                           |                            |
|--------------------------|--------------------------|---------------------------|----------------------------|
| <b>A</b> 0334 0*** 004 A | <b>N</b> 0334 0*** 004 N | <b>0</b> 0334 0*** 004 0  | <b>+</b> 0334 0*** 004 +   |
| <b>B</b> 0334 0*** 004 B | <b>O</b> 0334 0*** 004 O | <b>1</b> 0334 0*** 004 1  | <b>-</b> 0334 0*** 004 -   |
| <b>C</b> 0334 0*** 004 C | <b>P</b> 0334 0*** 004 P | <b>2</b> 0334 0*** 004 2  | <b>▪</b> 0334 0*** 004 .   |
| <b>D</b> 0334 0*** 004 D | <b>Q</b> 0334 0*** 004 Q | <b>3</b> 0334 0*** 004 3  | <b>⊥</b> 0334 0*** 004 TER |
| <b>E</b> 0334 0*** 004 E | <b>R</b> 0334 0*** 004 R | <b>4</b> 0334 0*** 004 4  |                            |
| <b>F</b> 0334 0*** 004 F | <b>S</b> 0334 0*** 004 S | <b>5</b> 0334 0*** 004 5  |                            |
| <b>G</b> 0334 0*** 004 G | <b>T</b> 0334 0*** 004 T | <b>6.</b> 0334 0*** 004 6 |                            |
| <b>H</b> 0334 0*** 004 H | <b>U</b> 0334 0*** 004 U | <b>7</b> 0334 0*** 004 7  |                            |
| <b>I</b> 0334 0*** 004 I | <b>V</b> 0334 0*** 004 V | <b>8</b> 0334 0*** 004 8  |                            |
| <b>J</b> 0334 0*** 004 J | <b>W</b> 0334 0*** 004 W | <b>9.</b> 0334 0*** 004 9 |                            |
| <b>K</b> 0334 0*** 004 K | <b>X</b> 0334 0*** 004 X |                           |                            |
| <b>L</b> 0334 0*** 004 L | <b>Y</b> 0334 0*** 004 Y |                           |                            |
| <b>M</b> 0334 0*** 004 M | <b>Z</b> 0334 0*** 004 Z |                           |                            |

Other symbols on request

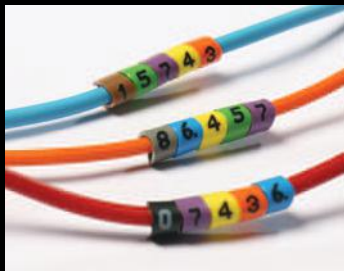
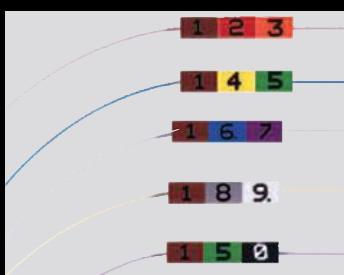






# B7

PLIO® wire markers



# PLIO-V-MARKERS oval markers in semi-cut pull-off form



PLIO-V-MARKERS



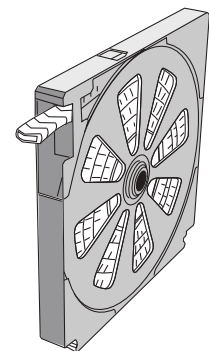
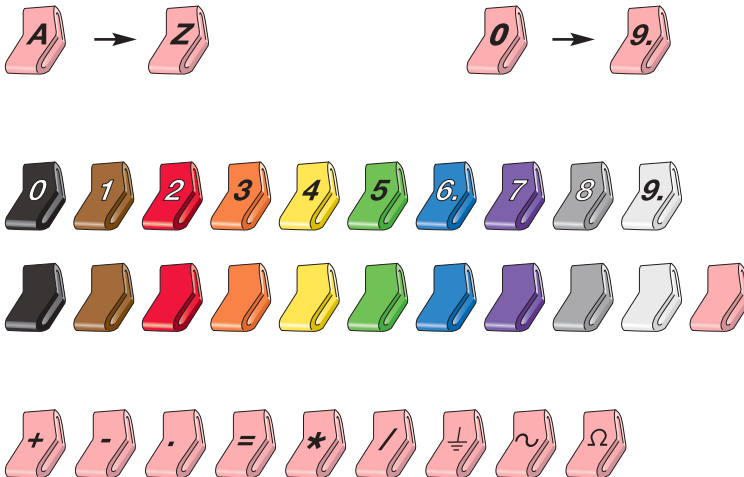
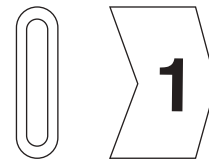
## PLIO-V-MARKERS

|                                   |              |
|-----------------------------------|--------------|
| <b>Material:</b>                  | flexible PVC |
| <b>Operating temperatures:</b>    | -20 to +90°C |
| <b>Hardness Shore A:</b>          | 80 ± 3       |
| <b>Tensile strength at break:</b> | 18 MPa       |
| <b>Ultimate elongation:</b>       | 250 %        |
| <b>Dielectric strength:</b>       | > 20 kV/mm   |
| <b>Flame resistance:</b>          | V0 UL94      |

**Application:** to identify wires and cables of o.d. 0,6 to 8 mm.



- Can be easily applied due to their **oval shape**.
- **No tool** is required.
- The **chevron edge** allows **exact lining up of the legends**.
- Marking of the cable can be done **before and during the connection**.
- Available **in flat reels** which can be placed side by side to allow easy storage and ensure protection of the markers.
- **Dispensers** are available to group reels together, ideal for **on site use**.



Other symbols upon request.

B7/3-01



only for V-65

B7/4-05



# PLIO-V-MARKERS oval markers in semi-cut pull-off form



PLIO-V-MARKERS



## PLIO-V-MARKERS oval markers

Example for order:

| code group | detail article | code colour | code marker |
|------------|----------------|-------------|-------------|
| 0360       | 00XXXXXX       | XXXXXX      | XXXXXX      |

|      |  |                  |
|------|--|------------------|
| V-09 |  | 0360010101015F   |
| V-16 |  | 0360010301015TER |
| V-37 |  | 0360020700053    |
| V-65 |  | 036003110004     |



### detail article

| type  | pink              | article number international code | unprinted markers | for cablesØ mm | sections mm <sup>2</sup> | sections rings |
|-------|-------------------|-----------------------------------|-------------------|----------------|--------------------------|----------------|
| V-09  | 0360 0101 015 *** | 0360 0201 *** **                  | 0360 0301 ***     | 0,6 - 0,8      | 0,4                      | 1000           |
| V-11  | 0360 0102 015 *** | 0360 0202 *** **                  | 0360 0302 ***     | 0,8 - 1,1      | 0,4                      | 1000           |
| V-16  | 0360 0103 015 *** | 0360 0203 *** **                  | 0360 0303 ***     | 1,1 - 1,5      | 0,4                      | 1000           |
| V-22  | 0360 0104 015 *** | 0360 0204 *** **                  | 0360 0304 ***     | 1,3 - 2        | 0,5                      | 1000           |
| V-27  | 0360 0105 015 *** | 0360 0205 *** **                  | 0360 0305 ***     | 1,6 - 2,5      | 0,75 - 1                 | 500            |
| V-30  | 0360 0112 015 *** | 0360 0206 *** **                  | 0360 0306 ***     | 2,1 - 2,8      | 0,75 - 1                 | 1000           |
| V-37  | 0360 0106 015 *** | 0360 0207 *** **                  | 0360 0307 ***     | 2,3 - 3,4      | 1 - 1,5 - 2,5            | 500            |
| V-40  | 0360 0107 015 *** | 0360 0208 *** **                  | 0360 0308 ***     | 2,8 - 4,2      | 1,5 - 2,5 - 4            | 500            |
| V-50  | 0360 0108 015 *** | 0360 0209 *** **                  | 0360 0309 ***     | 3,4 - 4,9      | 4 - 6                    | 500            |
| V-60  | 0360 0109 015 *** | 0360 0210 *** **                  | 0360 0310 ***     | 3,9 - 5,7      | 6 - 10                   | 500            |
| V-65  | 0360 0110 015 *** | 0360 0211 *** **                  | 0360 0311 ***     | 4,2 - 6,6      | 10 - 16                  | 500            |
| V-80* | 0360 0111 015 *** | 0360 0212 *** **                  | 0360 0312 ***     | 4,6 - 7,9      | 16                       | 100            |

\* available in bags of 5 bars with 20 markers.

### code colours

|       |       |     |        |        |       |      |        |      |       |      |
|-------|-------|-----|--------|--------|-------|------|--------|------|-------|------|
|       |       |     |        |        |       |      |        |      |       |      |
| 010   | 006   | 007 | 005    | 004    | 003   | 002  | 008    | 013  | 001   | 015  |
| black | brown | red | orange | yellow | green | blue | violet | grey | white | pink |

### code markers

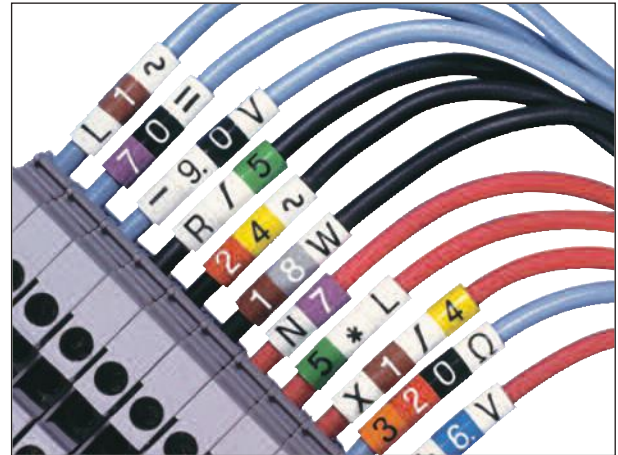
|   |                 |   |                   |   |                 |  |               |
|---|-----------------|---|-------------------|---|-----------------|--|---------------|
| A | 0360 0*** 015 A | 0 | 0360 0*** 015 0   | 0 | 0360 0*** 010 0 |  | 0360 0*** 010 |
| B | 0360 0*** 015 B | 1 | 0360 0*** 015 1   | 1 | 0360 0*** 006 1 |  | 0360 0*** 006 |
| C | 0360 0*** 015 C | 2 | 0360 0*** 015 2   | 2 | 0360 0*** 007 2 |  | 0360 0*** 007 |
| D | 0360 0*** 015 D | 3 | 0360 0*** 015 3   | 3 | 0360 0*** 005 3 |  | 0360 0*** 005 |
| E | 0360 0*** 015 E | 4 | 0360 0*** 015 4   | 4 | 0360 0*** 004 4 |  | 0360 0*** 004 |
| F | 0360 0*** 015 F | 5 | 0360 0*** 015 5   | 5 | 0360 0*** 003 5 |  | 0360 0*** 003 |
| G | 0360 0*** 015 G | 6 | 0360 0*** 015 6   | 6 | 0360 0*** 002 6 |  | 0360 0*** 002 |
| H | 0360 0*** 015 H | 7 | 0360 0*** 015 7   | 7 | 0360 0*** 008 7 |  | 0360 0*** 008 |
| I | 0360 0*** 015 I | 8 | 0360 0*** 015 8   | 8 | 0360 0*** 013 8 |  | 0360 0*** 013 |
| J | 0360 0*** 015 J | 9 | 0360 0*** 015 9   | 9 | 0360 0*** 001 9 |  | 0360 0*** 001 |
| K | 0360 0*** 015 K |   |                   |   |                 |  | 0360 0*** 015 |
| L | 0360 0*** 015 L |   |                   |   |                 |  |               |
| M | 0360 0*** 015 M |   |                   |   |                 |  |               |
| N | 0360 0*** 015 N | + | 0360 0*** 015 +   | + | 0360 0*** 007+  |  |               |
| O | 0360 0*** 015 O | - | 0360 0*** 015 -   | - | 0360 0*** 002-  |  |               |
| P | 0360 0*** 015 P | . | 0360 0*** 015 .   |   |                 |  |               |
| Q | 0360 0*** 015 Q | = | 0360 0*** 015 =   |   |                 |  |               |
| R | 0360 0*** 015 R | * | 0360 0*** 015 *   |   |                 |  |               |
| S | 0360 0*** 015 S | / | 0360 0*** 015 /   |   |                 |  |               |
| T | 0360 0*** 015 T | ⊥ | 0360 0*** 015 TER |   |                 |  |               |
| U | 0360 0*** 015 U | ~ | 0360 0*** 015 ALT |   |                 |  |               |
| V | 0360 0*** 015 V | Ω | 0360 0*** 015 OHM |   |                 |  |               |
| W | 0360 0*** 015 W |   |                   |   |                 |  |               |
| X | 0360 0*** 015 X |   |                   |   |                 |  |               |
| Y | 0360 0*** 015 Y |   |                   |   |                 |  |               |
| Z | 0360 0*** 015 Z |   |                   |   |                 |  |               |



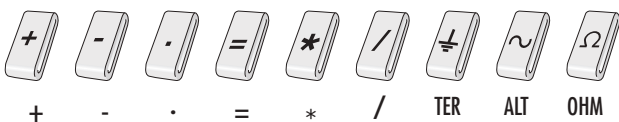
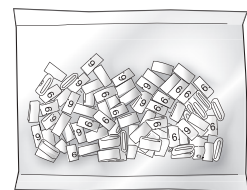
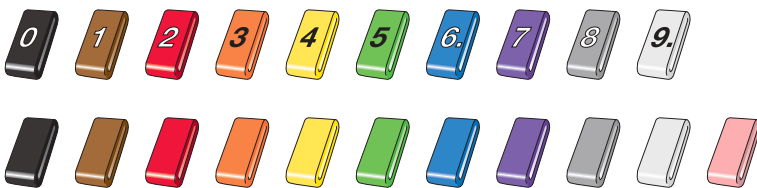
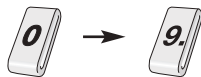
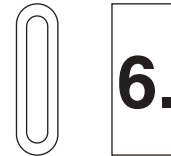
**PLIO-M-MARKERS**

|                                   |              |
|-----------------------------------|--------------|
| <b>Material:</b>                  | flexible PVC |
| <b>Operating temperatures:</b>    | -20 to +90°C |
| <b>Hardness Shore A:</b>          | 80 ± 3       |
| <b>Tensile strength at break:</b> | 18 MPa       |
| <b>Ultimate elongation:</b>       | 250 %        |
| <b>Dielectric strength:</b>       | > 20 kV/mm   |
| <b>Flame resistance:</b>          | V0 UL94      |

**Application:** to identify wires and cables of o.d. 0,6 to 8 mm.



- Can be easily applied due to their **oval shape**.
- **No tool** is required: their form makes it possible to obtain **self-alignment**.
- **Interdependent** of the conductor to which they adapt perfectly, marking with rings PLIO-M-MARKERS must be done **before the connection** of the conductors.
- SES-STERLING offers **special LASER printing** direct from computer data (please consult us).
- The PLIO-M-MARKERS oval markers can be delivered in TPU, quality flame resistant, halogen-free (see characteristics on page B7/3-06).



Other symbols upon request.

B7/3-01



only for M-65

B7/4-05





PLIO-M-MARKERS oval markers

Example for order:

| code group | detail article | code colour | code marker |
|------------|----------------|-------------|-------------|
| 0362       | 0XXXXXX        | XXXXXX      | XXXXXX      |

|      |  |                 |
|------|--|-----------------|
| M-09 |  | 036200001001F   |
| M-16 |  | 036200009001TER |
| M-37 |  | 0362000150053   |
| M-65 |  | 03620250004     |



6.

detail article

| type | white             | article number international code | unprinted markers | for cablesØ mm | sections mm <sup>2</sup> | rings |
|------|-------------------|-----------------------------------|-------------------|----------------|--------------------------|-------|
| M-09 | 0362 0001 001 *** | 0362 0011 *** **                  | 0362 0111 ***     | 0,6 - 0,8      | 0,4                      | 1000  |
| M-11 | 0362 0002 001 *** | 0362 0012 *** **                  | 0362 0112 ***     | 0,8 - 1,1      | 0,4                      | 1000  |
| M-16 | 0362 0009 001 *** | 0362 0019 *** **                  | 0362 0119 ***     | 1,1 - 1,5      | 0,4                      | 1000  |
| M-22 | 0362 0003 001 *** | 0362 0013 *** **                  | 0362 0113 ***     | 1,3 - 2,0      | 0,5                      | 1000  |
| M-27 | 0362 0004 001 *** | 0362 0014 *** **                  | 0362 0114 ***     | 1,6 - 2,5      | 0,75 - 1                 | 1000  |
| M-37 | 0362 0005 001 *** | 0362 0015 *** **                  | 0362 0115 ***     | 2,3 - 3,4      | 1 - 1,5 - 2,5            | 1000  |
| M-40 | 0362 0006 001 *** | 0362 0016 *** **                  | 0362 0116 ***     | 2,8 - 4,2      | 1,5 - 2,5 - 4            | 1000  |
| M-50 | 0362 0007 001 *** | 0362 0017 *** **                  | 0362 0117 ***     | 3,4 - 4,9      | 4 - 6                    | 1000  |
| M-60 | 0362 0008 001 *** | 0362 0018 *** **                  | 0362 0118 ***     | 3,9 - 5,7      | 6 - 10                   | 100   |
| M-65 | 0362 0050 001 *** | 0362 0150 *** **                  | 0362 0250 ***     | 4,2 - 6,6      | 10 - 16                  | 100   |
| M-80 | 0362 0060 001 *** | 0362 0160 *** **                  | 0362 0260 ***     | 4,6 - 7,9      | 16                       | 100   |

code colours

|       |       |     |        |        |       |      |        |      |       |      |
|-------|-------|-----|--------|--------|-------|------|--------|------|-------|------|
|       |       |     |        |        |       |      |        |      |       |      |
| 010   | 006   | 007 | 005    | 004    | 003   | 002  | 008    | 013  | 001   | 015  |
| black | brown | red | orange | yellow | green | blue | violet | grey | white | pink |

code markers

|   |                 |    |                   |  |                 |  |
|---|-----------------|----|-------------------|--|-----------------|--|
| A | 0362 0*** 001 A | 0  | 0362 0*** 001 0   |  | 0362 0*** 010 0 |  |
| B | 0362 0*** 001 B | 1  | 0362 0*** 001 1   |  | 0362 0*** 006 1 |  |
| C | 0362 0*** 001 C | 2  | 0362 0*** 001 2   |  | 0362 0*** 007 2 |  |
| D | 0362 0*** 001 D | 3  | 0362 0*** 001 3   |  | 0362 0*** 005 3 |  |
| E | 0362 0*** 001 E | 4  | 0362 0*** 001 4   |  | 0362 0*** 004 4 |  |
| F | 0362 0*** 001 F | 5  | 0362 0*** 001 5   |  | 0362 0*** 003 5 |  |
| G | 0362 0*** 001 G | 6. | 0362 0*** 001 6   |  | 0362 0*** 002 6 |  |
| H | 0362 0*** 001 H | 7  | 0362 0*** 001 7   |  | 0362 0*** 008 7 |  |
| I | 0362 0*** 001 I | 8  | 0362 0*** 001 8   |  | 0362 0*** 013 8 |  |
| J | 0362 0*** 001 J | 9. | 0362 0*** 001 9   |  | 0362 0*** 001 9 |  |
| K | 0362 0*** 001 K |    |                   |  |                 |  |
| L | 0362 0*** 001 L |    |                   |  |                 |  |
| M | 0362 0*** 001 M |    |                   |  |                 |  |
| N | 0362 0*** 001 N |    |                   |  |                 |  |
| O | 0362 0*** 001 O |    |                   |  |                 |  |
| P | 0362 0*** 001 P |    |                   |  |                 |  |
| Q | 0362 0*** 001 Q |    |                   |  |                 |  |
| R | 0362 0*** 001 R |    |                   |  |                 |  |
| S | 0362 0*** 001 S |    |                   |  |                 |  |
| T | 0362 0*** 001 T |    |                   |  |                 |  |
| U | 0362 0*** 001 U |    |                   |  |                 |  |
| V | 0362 0*** 001 V |    |                   |  |                 |  |
| W | 0362 0*** 001 W |    |                   |  |                 |  |
| X | 0362 0*** 001 X |    |                   |  |                 |  |
| Y | 0362 0*** 001 Y |    |                   |  |                 |  |
| Z | 0362 0*** 001 Z |    |                   |  |                 |  |
|   |                 | +  | 0362 0*** 001 +   |  | 0362 0*** 007 + |  |
|   |                 | -  | 0362 0*** 001 -   |  | 0362 0*** 002 - |  |
|   |                 | .  | 0362 0*** 001 .   |  |                 |  |
|   |                 | =  | 0362 0*** 001 =   |  |                 |  |
|   |                 | *  | 0362 0*** 001 *   |  |                 |  |
|   |                 | /  | 0362 0*** 001 /   |  |                 |  |
|   |                 | ⊥  | 0362 0*** 001 TER |  |                 |  |
|   |                 | ~  | 0362 0*** 001 ALT |  |                 |  |
|   |                 | Ω  | 0362 0*** 001 OHM |  |                 |  |



# Identification system with strapping for marker carriers PLIO-M-MARKERS

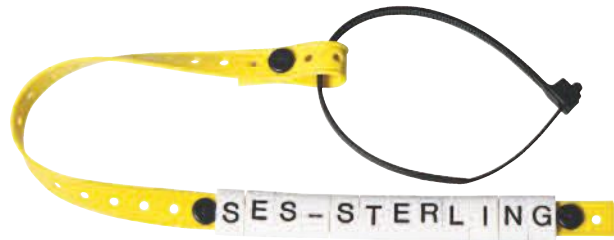


PLIO®



## • Identification system PLIOSTRAP-8

| Colour | 004    | 010   |
|--------|--------|-------|
|        | yellow | black |



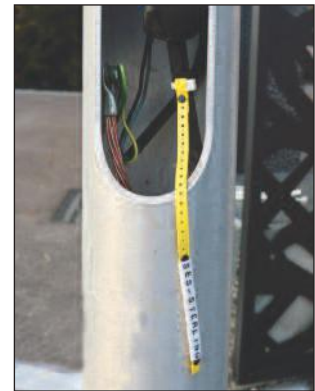
| type        | article number |     |
|-------------|----------------|-----|
| PLIOSTRAP-8 | 0362 8200 ***  | 100 |

**Applications:** system for the identification of cables in the field of lighting, light signals and various other installations of outdoor space supplied at low or high voltage.

### Composition of the PLIOSTRAP-8\* identification system:

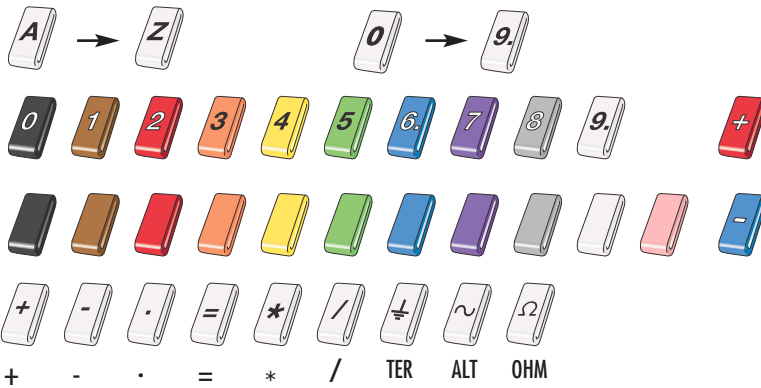
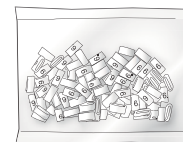
- 100 pre-assembled strappings PLIO-8 Lg 280 mm with a loop and 2 locking studs N° 2 PS
- 100 locking studs N° 1 PS
- 100 cable-ties SX 155/30 colour black

\* The identification carriers must be ordered separately.



## • Identification carrier PLIO-M-MARKERS

| type | white             | article number<br>internat. colour | unprinted colour | <br>rings |
|------|-------------------|------------------------------------|------------------|-----------|
| M-60 | 0362 0008 001 *** | 0362 0018 ****                     | 0362 0118 ***    | 1000      |



## • Box

| type      | article number | external dimensions (mm) |       |        | weight<br>g |   |
|-----------|----------------|--------------------------|-------|--------|-------------|---|
|           |                | length                   | width | height |             |   |
| BOX PSC18 | 0370 0910 000  | 240                      | 195   | 43     | 295         | 1 |



C12/4-01





# Identification system

## with marker carriers

### Accessories



PLIO-MARKERS



#### PLIO M-\*\*\*

|                                   |   |              |  |
|-----------------------------------|---|--------------|--|
| <b>Material:</b>                  | PVC   | PE           |  |
| <b>Operating temperatures:</b>    | -20 to +95°C                                      | -50 to +85°C |  |
| <b>Shore hardness:</b>            | 95 ±5 (Shore A)                                   | 44 (Shore D) |  |
| <b>Tensile strength at break:</b> | 20 MPa  | 16 MPa       |  |
| <b>Ultimate elongation:</b>       | 300 %   | 550 %        |  |
| <b>Application:</b>               | for the identification of large cables and tubes. |              |  |



#### • Identification carrier PLIO in PVC coloured for carrier markers M-65 + V-65

| code colour | 001   | 002  | 003   | 004    | 005    | 007 | 010   |
|-------------|-------|------|-------|--------|--------|-----|-------|
|             | white | blue | green | yellow | orange | red | black |

| type      | article number | useful dimensions<br>L x W (mm) | quant. of markers<br>M-65/carrier |     |
|-----------|----------------|---------------------------------|-----------------------------------|-----|
|           |                |                                 |                                   |     |
| M-008 PVC | 0140 0011 ***  | 42 x 9,5                        | 8                                 | 100 |
| M-012 PVC | 0140 0012 ***  | 62 x 9,5                        | 12                                | 100 |
| M-024 PVC | 0140 0013 ***  | 122 x 9,5                       | 24                                | 100 |

#### • Identification carrier PLIO in PE natural halogene free for carrier markers M-65 + V-65

| type     | article number | useful dimensions<br>L x W (mm) | quant. of markers<br>M-65/carrier |     |
|----------|----------------|---------------------------------|-----------------------------------|-----|
|          |                |                                 |                                   |     |
| M-008 PE | 0140 0001 018  | 42 x 9,5                        | 8                                 | 100 |
| M-012 PE | 0140 0002 018  | 62 x 9,5                        | 12                                | 100 |
| M-024 PE | 0140 0003 018  | 122 x 9,5                       | 24                                | 100 |

#### • Identification carrier PLIO in PE natural halogene free for carrier markers M-40 - V-40

| type        | article number | useful dimensions<br>L x W (mm) | quant. of markers<br>M-40/barrette |     |
|-------------|----------------|---------------------------------|------------------------------------|-----|
|             |                |                                 |                                    |     |
| M-008/40 PE | 0140 0004 018  | 48,5 x 4,7                      | 8                                  | 100 |

#### • Cable strapping PLIO in flexible PVC for PLIO-MARKERS carriers

| type      | article number | width (mm) | colours |    |
|-----------|----------------|------------|---------|----|
|           |                |            |         |    |
| PLIO 8 mm | 0811 0001 010  | 8          | black   | 50 |
| PLIO 8 mm | 0811 0001 013  | 8          | grey    | 50 |
| PLIO 8 mm | 0811 0001 011  | 8          | natural | 50 |

#### • PLIO fixing studs for PLIO cable strapping

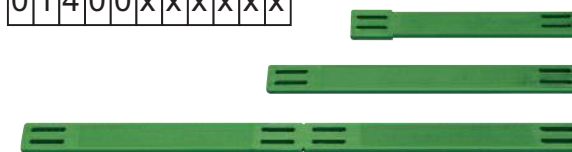
| type   | article number | material               |     |
|--------|----------------|------------------------|-----|
|        |                |                        |     |
| n°1 PS | 0103 0001 010  | polystyrene choc black | 500 |
| n°1 PA | 0104 0009 010  | polyamide black        | 500 |
| n°1 PE | 0130 0001 018  | polyethylene natural   | 500 |

#### • Stud application tool PLIO

| type | article number | length (mm) |   |
|------|----------------|-------------|---|
|      |                |             |   |
| 2061 | 0408 0001 000  | 140         | 1 |

Example for order:

| code group | detail article | code colour |
|------------|----------------|-------------|
| 0140       | 0011           | 003         |



B1/7-01



B7/3-05



C12/1-01 maxi width 4,7 mm



# Markers PLIO® M-65 standard to identify PLIO carriers



PLIO-M-MARKERS



## PLIO M-65

**Material:** flexible PVC  
**Operating temperatures:** -20 to +90°C  
**Hardness Shore A:** 80 ± 3  
**Tensile strength at break:** 18 MPa  
**Ultimate elongation:** 250 %  
**Dielectric strength:** > 20 kV/mm  
**Flame resistance:** V0 UL94  
**Pack:** reels with 500 markers  
**Application:** to identify PLIO carriers.



Example for order:

| code group | detail article | code colour | code legend |
|------------|----------------|-------------|-------------|
| 03620070   |                | x x x x x x |             |

|   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F | 0 | 3 | 6 | 2 | 0 | 0 | 7 | 0 | 0 | 0 | 1 | F |
|---|---|---|---|---|---|---|---|---|---|---|---|---|

|   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5 | 0 | 3 | 6 | 2 | 0 | 0 | 7 | 0 | 0 | 0 | 4 | 5 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|



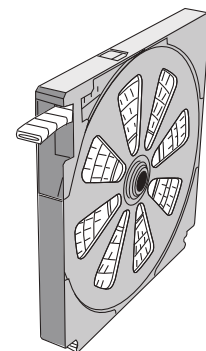
6.

### code colour

|       |       |     |        |        |       |      |        |      |       |      |
|-------|-------|-----|--------|--------|-------|------|--------|------|-------|------|
| 010   | 006   | 007 | 005    | 004    | 003   | 002  | 008    | 013  | 001   | 015  |
| black | brown | red | orange | yellow | green | blue | violet | grey | white | pink |

### code legends

|    |    |                   |
|----|----|-------------------|
| A  | A  | 0362 0070 *** A   |
| B  | B  | 0362 0070 *** B   |
| C  | C  | 0362 0070 *** C   |
| D  | D  | 0362 0070 *** D   |
| E  | E  | 0362 0070 *** E   |
| F  | F  | 0362 0070 *** F   |
| G  | G  | 0362 0070 *** G   |
| H  | H  | 0362 0070 *** H   |
| I  | I  | 0362 0070 *** I   |
| J  | J  | 0362 0070 *** J   |
| K  | K  | 0362 0070 *** K   |
| L  | L  | 0362 0070 *** L   |
| M  | M  | 0362 0070 *** M   |
| N  | N  | 0362 0070 *** N   |
| O  | O  | 0362 0070 *** O   |
| P  | P  | 0362 0070 *** P   |
| Q  | Q  | 0362 0070 *** Q   |
| R  | R  | 0362 0070 *** R   |
| S  | S  | 0362 0070 *** S   |
| T  | T  | 0362 0070 *** T   |
| U  | U  | 0362 0070 *** U   |
| V  | V  | 0362 0070 *** V   |
| W  | W  | 0362 0070 *** W   |
| X  | X  | 0362 0070 *** X   |
| Y  | Y  | 0362 0070 *** Y   |
| Z  | Z  | 0362 0070 *** Z   |
| 0  | 0  | 0362 0070 *** 0   |
| 1  | 1  | 0362 0070 *** 1   |
| 2  | 2  | 0362 0070 *** 2   |
| 3  | 3  | 0362 0070 *** 3   |
| 4  | 4  | 0362 0070 *** 4   |
| 5  | 5  | 0362 0070 *** 5   |
| 6. | 6. | 0362 0070 *** 6   |
| 7  | 7  | 0362 0070 *** 7   |
| 8  | 8  | 0362 0070 *** 8   |
| 9. | 9. | 0362 0070 *** 9   |
| +  | +  | 0362 0070 *** +   |
| -  | -  | 0362 0070 *** -   |
| .  | .  | 0362 0070 *** .   |
| =  | =  | 0362 0070 *** =   |
| *  | *  | 0362 0070 *** *   |
| /  | /  | 0362 0070 *** /   |
| ⊥  | ⊥  | 0362 0070 *** TER |
| ~  | ~  | 0362 0070 *** ALT |
| Ω  | Ω  | 0362 0070 *** OHM |
| +  |    | 0362 0070 007 +   |
| -  |    | 0362 0070 002 -   |
|    |    | 0362 0070 010 0   |
|    |    | 0362 0070 006 1   |
|    |    | 0362 0070 007 2   |
|    |    | 0362 0070 005 3   |
|    |    | 0362 0070 004 4   |
|    |    | 0362 0070 003 5   |
|    |    | 0362 0070 002 6   |
|    |    | 0362 0070 008 7   |
|    |    | 0362 0070 013 8   |
|    |    | 0362 0070 001 9   |
|    |    | 0362 0070 010     |
|    |    | 0362 0070 006     |
|    |    | 0362 0070 007     |
|    |    | 0362 0070 005     |
|    |    | 0362 0070 004     |
|    |    | 0362 0070 003     |
|    |    | 0362 0070 002     |
|    |    | 0362 0070 008     |
|    |    | 0362 0070 013     |
|    |    | 0362 0070 001     |
|    |    | 0362 0070 015     |



reel with 500 markers

B7/4-05



**Identification system M2**  
**with marker carriers M2**  
**PLIO-M-MARKERS**

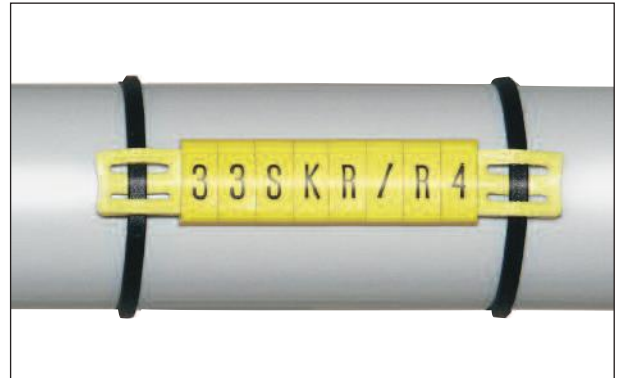


PLIO-MARKERS




**PLIO M-\*\*\*-M2**

**Material:** PVC  
**Operating temperatures:** -20 to +95°C  
**Colour:** yellow (white upon request)  
**Hardness Shore A:** 95 ±5 (Shore A)  
**Tensile strength at break:** 20 MPa  
**Ultimate elongation:** 300 %  
**Specification:** V0 UL94  
 M2 CSTB  
**Application:** for the identification of large cables and tubes.



**• Identification carrier PLIO-M2 yellow virtual non-flame grade for M-65-M2 marker carriers**

| type     | artide number | useful dimensions<br>L x W (mm) | quant. of markers<br>M-65 per carrier |  |
|----------|---------------|---------------------------------|---------------------------------------|---|
| M-008-M2 | 0369 0011 004 | 42 x 9,5                        | 8                                     | 100   |
| M-012-M2 | 0369 0012 004 | 62 x 9,5                        | 12                                    | 100   |
| M-024-M2 | 0369 0013 004 | 122 x 9,5                       | 24                                    | 100   |




**• Cable strapping PLIO-M2 in PVC, yellow virtual non-flame grade for PLIO-MARKERS M2 marker carriers**

| type      | artide number | width (mm) | thickness (mm) | <br>m |
|-----------|---------------|------------|----------------|--|
| PLIO 8-M2 | 0369 0021 004 | 8          | 1              | 50   |



**• Fixing stud PLIO PA-V2 for cable strapping PLIO**

| type       | artide number | material           |  |
|------------|---------------|--------------------|---|
| n° 1 PA-V2 | 0369 0031 000 | polyamide V2 white | 500   |



 B1/7-01



B7/3-05



C12/23-01 maxi width 4,7 mm



# Markers PLIO® M-65 M2 on reels to identify carriers PLIO-M2

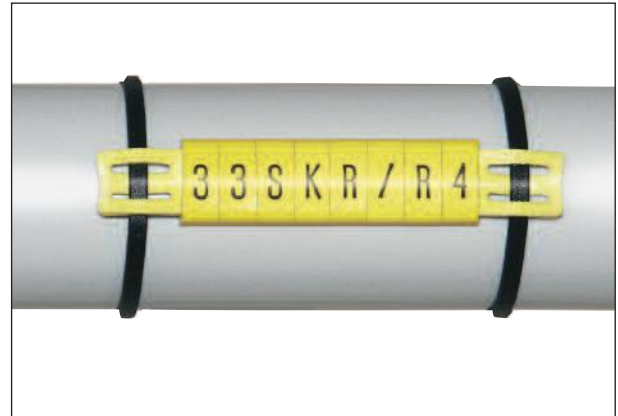


PLIO-M-MARKERS



## PLIO M-65 M2

**Material:** flexible PVC  
**Operating temperatures:** -20 to +90°C  
**Hardness Shore A:** 80 ±5  
**Tensile strength at break:** 18 MPa  
**Ultimate elongation:** 280 %  
**Dielectric strength:** > 20 kV/mm  
**Flame resistance:** V0 UL94  
M2 CSTB  
**Pack:** reel with 500 markers  
**Application:** for a use on PLIO M2 carriers.



Example for order:

| code group | detail article | code colour | code legend |
|------------|----------------|-------------|-------------|
| 0369       | 0001           | X           | X           |

|   |              |
|---|--------------|
| A | 03690001004A |
| + | 03690001001+ |



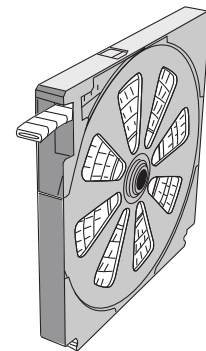
6.

### code colour

|       |       |     |        |        |       |      |        |      |       |      |
|-------|-------|-----|--------|--------|-------|------|--------|------|-------|------|
| 010   | 006   | 007 | 005    | 004    | 003   | 002  | 008    | 013  | 001   | 015  |
| black | brown | red | orange | yellow | green | blue | purple | grey | white | pink |

### code legends

|   |   |                   |
|---|---|-------------------|
| A | A | 0369 0001 *** A   |
| B | B | 0369 0001 *** B   |
| C | C | 0369 0001 *** C   |
| D | D | 0369 0001 *** D   |
| E | E | 0369 0001 *** E   |
| F | F | 0369 0001 *** F   |
| G | G | 0369 0001 *** G   |
| H | H | 0369 0001 *** H   |
| I | I | 0369 0001 *** I   |
| J | J | 0369 0001 *** J   |
| K | K | 0369 0001 *** K   |
| L | L | 0369 0001 *** L   |
| M | M | 0369 0001 *** M   |
| N | N | 0369 0001 *** N   |
| O | O | 0369 0001 *** O   |
| P | P | 0369 0001 *** P   |
| Q | Q | 0369 0001 *** Q   |
| R | R | 0369 0001 *** R   |
| S | S | 0369 0001 *** S   |
| T | T | 0369 0001 *** T   |
| U | U | 0369 0001 *** U   |
| V | V | 0369 0001 *** V   |
| W | W | 0369 0001 *** W   |
| X | X | 0369 0001 *** X   |
| Y | Y | 0369 0001 *** Y   |
| Z | Z | 0369 0001 *** Z   |
| 0 | 0 | 0369 0001 *** 0   |
| 1 | 1 | 0369 0001 *** 1   |
| 2 | 2 | 0369 0001 *** 2   |
| 3 | 3 | 0369 0001 *** 3   |
| 4 | 4 | 0369 0001 *** 4   |
| 5 | 5 | 0369 0001 *** 5   |
| 6 | 6 | 0369 0001 *** 6   |
| 7 | 7 | 0369 0001 *** 7   |
| 8 | 8 | 0369 0001 *** 8   |
| 9 | 9 | 0369 0001 *** 9   |
| + | + | 0369 0001 *** +   |
| - | - | 0369 0001 *** -   |
| . | . | 0369 0001 *** .   |
| = | = | 0369 0001 *** =   |
| * | * | 0369 0001 *** *   |
| / | / | 0369 0001 *** /   |
| ⊥ | ⊥ | 0369 0001 *** TER |
| ~ | ~ | 0369 0001 *** ALT |
| Ω | Ω | 0369 0001 *** OHM |
| 0 | 0 | 0369 0001 010 0   |
| 1 | 1 | 0369 0001 006 1   |
| 2 | 2 | 0369 0001 007 2   |
| 3 | 3 | 0369 0001 005 3   |
| 4 | 4 | 0369 0001 004 4   |
| 5 | 5 | 0369 0001 003 5   |
| 6 | 6 | 0369 0001 002 6   |
| 7 | 7 | 0369 0001 008 7   |
| 8 | 8 | 0369 0001 013 8   |
| 9 | 9 | 0369 0001 001 9   |
|   |   | 0369 0001 010     |
|   |   | 0369 0001 006     |
|   |   | 0369 0001 007     |
|   |   | 0369 0001 005     |
|   |   | 0369 0001 004     |
|   |   | 0369 0001 003     |
|   |   | 0369 0001 002     |
|   |   | 0369 0001 008     |
|   |   | 0369 0001 013     |
|   |   | 0369 0001 001     |
|   |   | 0369 0001 015     |
| + | + | 0369 0001 007 +   |
| - | - | 0369 0001 002 -   |



reel with 500 markers

B7/4-05



# Identification system with marker carriers

flame resistant, halogene free

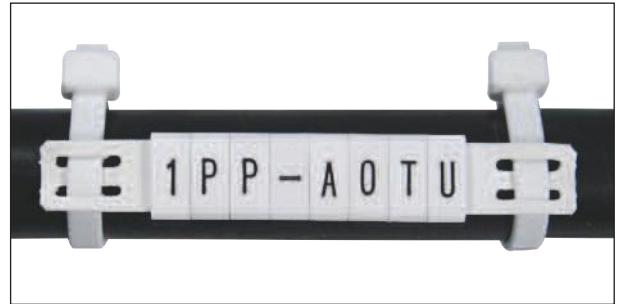


PLIO-MARKERS



## Marker carriers PLIO M-\*\*\* PP

**Material:** PP (polypropylene)  
**Colours:** white - black  
**Operating temperatures:** -20 to +90°C  
**Ultimate elongation:** 22 MPa  
**Flame resistance:** V0 UL94  
**Application:** identification in halogen free applications requiring high fire resistance (ex: tunnel, rolling material, rail ...).

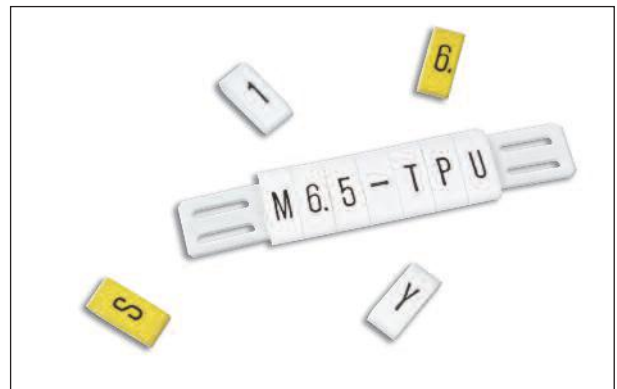


| type     | article number |               | useful dimensions<br>L x B (mm) | quant. markers<br>M-65/carrier |     |
|----------|----------------|---------------|---------------------------------|--------------------------------|-----|
|          | white          | black         |                                 |                                |     |
| M-008 PP | 0140 0201 001  | 0140 0201 010 | 42 x 9,5                        | 8                              | 100 |
| M-012 PP | 0140 0202 001  | 0140 0202 010 | 62 x 9,5                        | 12                             | 100 |
| M-024 PP | 0140 0203 001  | 0140 0203 010 | 122 x 9,5                       | 24                             | 100 |



## Markers PLIO M-65 TPU

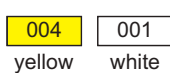
**Material:** TPU (thermoplastic polyurethane)  
**Colours:** white - yellow  
**Operating temperatures:** -30 to +90°C  
**Hardness Shore A:** 77 ±5  
**Tensile strength at break:** 30 MPa  
**Ultimate elongation:** 600%  
**Flame resistance:** V0 UL94  
**Pack:** reel with 500 markers



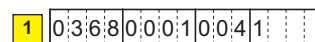
**Application:** with our PP marker carriers or directly on cables with Ø 4,2 to 6,6 mm. In halogen free applications requiring a high flame resistance (ex: tunnel, rolling material, rail ...).

Ejemplo para pedido:

**Code Colour**



| code group | detail article | code colour | code legend     |
|------------|----------------|-------------|-----------------|
| 0368       | 0001           | 1           | x x x x x x x x |

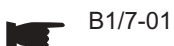
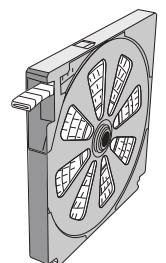


**code legends**

|   |   |                 |   |   |                 |   |    |                 |   |   |                   |
|---|---|-----------------|---|---|-----------------|---|----|-----------------|---|---|-------------------|
| A | A | 0368 0001 *** A | N | N | 0368 0001 *** N | 0 | 0  | 0368 0001 *** 0 | + | + | 0368 0001 *** +   |
| B | B | 0368 0001 *** B | O | O | 0368 0001 *** O | 1 | 1  | 0368 0001 *** 1 | - | - | 0368 0001 *** -   |
| C | C | 0368 0001 *** C | P | P | 0368 0001 *** P | 2 | 2  | 0368 0001 *** 2 | . | . | 0368 0001 *** .   |
| D | D | 0368 0001 *** D | Q | Q | 0368 0001 *** Q | 3 | 3  | 0368 0001 *** 3 | = | = | 0368 0001 *** =   |
| E | E | 0368 0001 *** E | R | R | 0368 0001 *** R | 4 | 4  | 0368 0001 *** 4 | * | * | 0368 0001 *** *   |
| F | F | 0368 0001 *** F | S | S | 0368 0001 *** S | 5 | 5  | 0368 0001 *** 5 | / | / | 0368 0001 *** /   |
| G | G | 0368 0001 *** G | T | T | 0368 0001 *** T | 6 | 6. | 0368 0001 *** 6 | ⊥ | ⊥ | 0368 0001 *** TER |
| H | H | 0368 0001 *** H | U | U | 0368 0001 *** U | 7 | 7  | 0368 0001 *** 7 | ~ | ~ | 0368 0001 *** ALT |
| I | I | 0368 0001 *** I | V | V | 0368 0001 *** V | 8 | 8  | 0368 0001 *** 8 | Ω | Ω | 0368 0001 *** OHM |
| J | J | 0368 0001 *** J | W | W | 0368 0001 *** W | 9 | 9. | 0368 0001 *** 9 |   |   |                   |
| K | K | 0368 0001 *** K | X | X | 0368 0001 *** X |   |    |                 |   |   |                   |
| L | L | 0368 0001 *** L | Y | Y | 0368 0001 *** Y |   |    |                 |   |   |                   |
| M | M | 0368 0001 *** M | Z | Z | 0368 0001 *** Z |   |    |                 |   |   |                   |

Other sizes of markers  
 PLIO-M-MARKERS TPU on request.

reel with 500 markers



C12/23-01 Cable-tie SL V0 (AF) halogene free, maxi. width 4,7 mm





# Identification system sensitive to metal detectors



PLIO-M-MARKERS



## PLIO PP MDE

**Material:** PP with metal particles  
**Colour:** metal blue  
**Operating temperatures:** -20 to +70°C  
**Chemical resistance:** good resistance to acids, bases and detergents.  
**Specifications:** halogen free  
 adapted to the success of a HACCP\* processes.

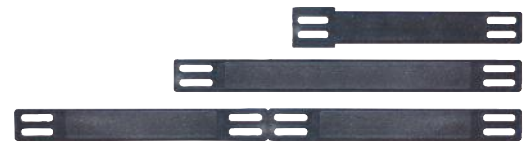
**Application:** The presence of metal particles in the identification carriers or markers allows easy detection thanks to any metal detector. This identification system is thus used in electrical equipment boxes or chains of production in food and pharmaceutical industries to limit the risks of product contamination.



\* HACCP : Hazard Analysis Critical Control Point

### ● Identification carrier PLIO M-\*\*\* PP MDE

| type         | art. no.      | useful dimensions<br>L x l (mm) | quant. of markers<br>M-65/carrier |     |
|--------------|---------------|---------------------------------|-----------------------------------|-----|
| M-008 PP MDE | 0140 1001 093 | 42 x 9,5                        | 8                                 | 100 |
| M-012 PP MDE | 0140 1002 093 | 62 x 9,5                        | 12                                | 100 |
| M-024 PP MDE | 0140 1003 093 | 122 x 9,5                       | 24                                | 100 |



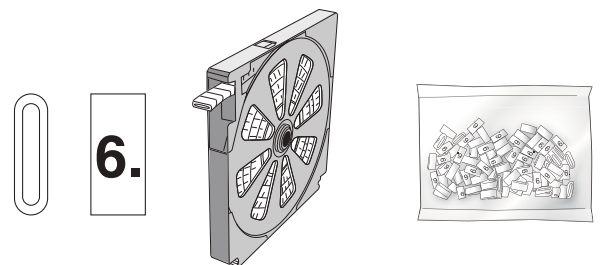
### ● Markers PLIO M-65 PP MDE

for identification carrier PLIO M-\*\*\* PP MDE

| type           | artide number   |     |
|----------------|-----------------|-----|
| M-65 PP MDE    | 0368 0100 093 * | 500 |
| M-65 PP MDE EG | 0368 0200 093 * | 100 |



|   |                 |   |                 |   |                 |
|---|-----------------|---|-----------------|---|-----------------|
| A | 0368 xxxx 093 A | N | 0368 xxxx 093 N | 0 | 0368 xxxx 093 0 |
| B | 0368 xxxx 093 B | O | 0368 xxxx 093 O | 1 | 0368 xxxx 093 1 |
| C | 0368 xxxx 093 C | P | 0368 xxxx 093 P | 2 | 0368 xxxx 093 2 |
| D | 0368 xxxx 093 D | Q | 0368 xxxx 093 Q | 3 | 0368 xxxx 093 3 |
| E | 0368 xxxx 093 E | R | 0368 xxxx 093 R | 4 | 0368 xxxx 093 4 |
| F | 0368 xxxx 093 F | S | 0368 xxxx 093 S | 5 | 0368 xxxx 093 5 |
| G | 0368 xxxx 093 G | T | 0368 xxxx 093 T | 6 | 0368 xxxx 093 6 |
| H | 0368 xxxx 093 H | U | 0368 xxxx 093 U | 7 | 0368 xxxx 093 7 |
| I | 0368 xxxx 093 I | V | 0368 xxxx 093 V | 8 | 0368 xxxx 093 8 |
| J | 0368 xxxx 093 J | W | 0368 xxxx 093 W | 9 | 0368 xxxx 093 9 |
| K | 0368 xxxx 093 K | X | 0368 xxxx 093 X |   |                 |
| L | 0368 xxxx 093 L | Y | 0368 xxxx 093 Y | - | 0368 xxxx 093 - |
| M | 0368 xxxx 093 M | Z | 0368 xxxx 093 Z | / | 0368 xxxx 093 / |



reel with 500 markers

bag with 100 markers



C12/3-01 - Cable tie SL MDE, maxi. width 4,7 mm



A5/1-03 - Spiral tubing PLIOSPIRE MDE





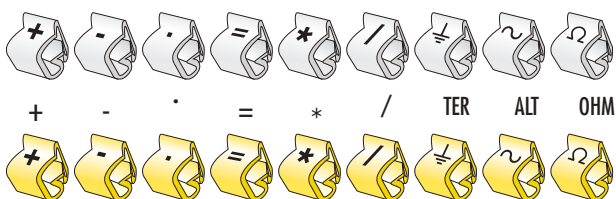
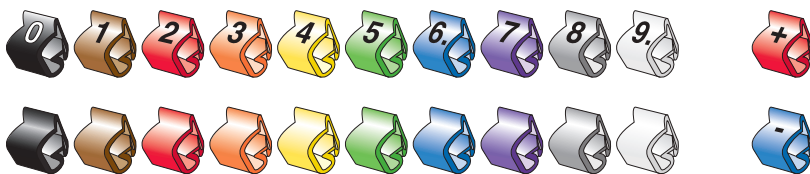
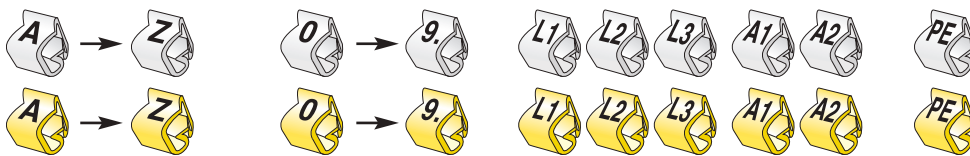
**PLIOTEX-V<sup>plus</sup>**

|                                   |                        |
|-----------------------------------|------------------------|
| <b>Material:</b>                  | flexible PVC           |
| <b>Temperature of use:</b>        | -20 to +90°C           |
| <b>Hardness Shore A:</b>          | 85 ± 3                 |
| <b>Tensile strength at break:</b> | 20 MPa                 |
| <b>Ultimate elongation:</b>       | 300 %                  |
| <b>Density:</b>                   | 1260 kg/m <sup>3</sup> |
| <b>Flame resistance:</b>          | V0 UL94                |

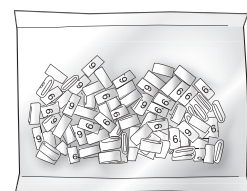
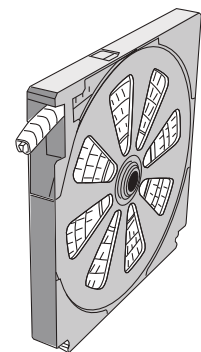
**Application:** to identify wires and cables of o.d. 1 to 25 mm.



- Ease of assembly on the conductor thanks to the particular form of the tubular section and its flexibility.
- **Thimble jigs** make marker setting and composition easy. Ideal for on-site work.
- The markers fit the conductors perfectly. The chevron cut shape allows correct legend alignment.
- Identifying **before connection**.
- Available **in flat reels** which can be placed side by side and allow easy storage and ensure protection of the markers.
- **Dispensers** are available to group reels together, ideal for **on site use**.



Other symbols upon request.





Example for order:

| code group | detail article | code colour | code marker |
|------------|----------------|-------------|-------------|
| 03700      | 0XXXXXX        | XXXXXX      | XXXXXX      |

PT-V+ 30 037000002004F

PT-V+ 45 03700003001TER

PT-V+ 90 037000140053

PT-V+ 150 03700025006



**detail article**

| type       | white / yellow   | article number international code | unprinted markers | for cables Ø mm | sections mm <sup>2</sup> | rings |
|------------|------------------|-----------------------------------|-------------------|-----------------|--------------------------|-------|
| PT-V+ 30   | 0370 0002 *** ** | 0370 0012 *** **                  | 0370 0022 ***     | 1,0 - 3,0       | 0,2 - 1,5                | 500   |
| PT-V+ 45   | 0370 0003 *** ** | 0370 0013 *** **                  | 0370 0023 ***     | 2,2 - 5,0       | 1 - 6                    | 500   |
| PT-V+ 90   | 0370 0004 *** ** | 0370 0014 *** **                  | 0370 0024 ***     | 4,0 - 9,0       | 4 - 16                   | 250   |
| PT-V+ 150* | 0370 0005 *** ** | 0370 0015 *** **                  | 0370 0025 ***     | 7,0 - 16,0      | 16 - 70                  | 100   |
| PT-V+ 240* | 0370 0006 *** ** | 0370 0016 *** **                  | 0370 0026 ***     | 12,0 - 25,0     | 50 - 185                 | 100   |

\* available in bags of 5 carriers with 20 markers.

**code colours**

|       |       |     |        |        |       |      |        |      |       |
|-------|-------|-----|--------|--------|-------|------|--------|------|-------|
| 010   | 006   | 007 | 005    | 004    | 003   | 002  | 008    | 013  | 001   |
| black | brown | red | orange | yellow | green | blue | violet | grey | white |

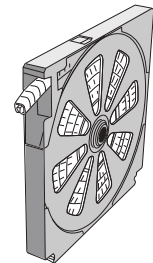
**code markers**

|   |   |                |
|---|---|----------------|
| A | A | 0370 0*** ** A |
| B | B | 0370 0*** ** B |
| C | C | 0370 0*** ** C |
| D | D | 0370 0*** ** D |
| E | E | 0370 0*** ** E |
| F | F | 0370 0*** ** F |
| G | G | 0370 0*** ** G |
| H | H | 0370 0*** ** H |
| I | I | 0370 0*** ** I |
| J | J | 0370 0*** ** J |
| K | K | 0370 0*** ** K |
| L | L | 0370 0*** ** L |
| M | M | 0370 0*** ** M |
| N | N | 0370 0*** ** N |
| O | O | 0370 0*** ** O |
| P | P | 0370 0*** ** P |
| Q | Q | 0370 0*** ** Q |
| R | R | 0370 0*** ** R |
| S | S | 0370 0*** ** S |
| T | T | 0370 0*** ** T |
| U | U | 0370 0*** ** U |
| V | V | 0370 0*** ** V |
| W | W | 0370 0*** ** W |
| X | X | 0370 0*** ** X |
| Y | Y | 0370 0*** ** Y |
| Z | Z | 0370 0*** ** Z |

|    |    |                  |
|----|----|------------------|
| 0  | 0  | 0370 0*** ** 0   |
| 1  | 1  | 0370 0*** ** 1   |
| 2  | 2  | 0370 0*** ** 2   |
| 3  | 3  | 0370 0*** ** 3   |
| 4  | 4  | 0370 0*** ** 4   |
| 5  | 5  | 0370 0*** ** 5   |
| 6  | 6  | 0370 0*** ** 6   |
| 7  | 7  | 0370 0*** ** 7   |
| 8  | 8  | 0370 0*** ** 8   |
| 9  | 9  | 0370 0*** ** 9   |
| L1 | L1 | 0370 0*** ** L1  |
| L2 | L2 | 0370 0*** ** L2  |
| L3 | L3 | 0370 0*** ** L3  |
| A1 | A1 | 0370 0*** ** A1  |
| A2 | A2 | 0370 0*** ** A2  |
| PE | PE | 0370 0*** ** PE  |
| +  | +  | 0370 0*** ** +   |
| -  | -  | 0370 0*** ** -   |
| ·  | ·  | 0370 0*** ** ·   |
| =  | =  | 0370 0*** ** =   |
| *  | *  | 0370 0*** ** *   |
| /  | /  | 0370 0*** ** /   |
| ⊥  | ⊥  | 0370 0*** ** TER |
| ~  | ~  | 0370 0*** ** ALT |
| Ω  | Ω  | 0370 0*** ** OHM |

|   |                 |
|---|-----------------|
| 0 | 0370 0*** 010 0 |
| 1 | 0370 0*** 006 1 |
| 2 | 0370 0*** 007 2 |
| 3 | 0370 0*** 005 3 |
| 4 | 0370 0*** 004 4 |
| 5 | 0370 0*** 003 5 |
| 6 | 0370 0*** 002 6 |
| 7 | 0370 0*** 008 7 |
| 8 | 0370 0*** 013 8 |
| 9 | 0370 0*** 001 9 |
| + | 0370 0*** 007 + |
| - | 0370 0*** 002 - |

|               |
|---------------|
| 0370 0*** 010 |
| 0370 0*** 006 |
| 0370 0*** 007 |
| 0370 0*** 005 |
| 0370 0*** 004 |
| 0370 0*** 003 |
| 0370 0*** 002 |
| 0370 0*** 008 |
| 0370 0*** 013 |
| 0370 0*** 001 |



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Example for order:

| code group | detail article | code colour | code marker |
|------------|----------------|-------------|-------------|
| 0370       | 0XXXXXX        | XXXXXX      | XXXXXX      |

|          |  |                 |
|----------|--|-----------------|
| PT-V+ 30 |  | 037000072004F   |
| PT-V+ 45 |  | 037000073001TER |
| PT-V+ 90 |  | 0370000840053   |



**detail article**

| type     | white /yellow    | article number international code | unprinted white / yellow | for cables Ø mm | sections mm <sup>2</sup> | rings |
|----------|------------------|-----------------------------------|--------------------------|-----------------|--------------------------|-------|
| PT-V+ 30 | 0370 0072 *** ** | 0370 0082 *** **                  | 0370 0095 ***            | 1,0 - 3,0       | 0,2 - 1,5                | 100   |
| PT-V+ 45 | 0370 0073 *** ** | 0370 0083 *** **                  | 0370 0096 ***            | 2,2 - 5,0       | 1 - 6                    | 100   |
| PT-V+ 90 | 0370 0074 *** ** | 0370 0084 *** **                  | 0370 0097 ***            | 4,0 - 9,0       | 4 - 16                   | 100   |

**code colours**

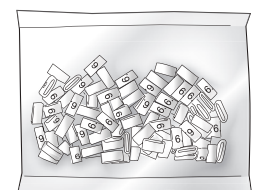
|       |       |     |        |        |       |      |        |      |       |
|-------|-------|-----|--------|--------|-------|------|--------|------|-------|
| 010   | 006   | 007 | 005    | 004    | 003   | 002  | 008    | 013  | 001   |
| black | brown | red | orange | yellow | green | blue | violet | grey | white |

**code markers**

|   |   |              |   |
|---|---|--------------|---|
| A | A | 0370 0*** ** | A |
| B | B | 0370 0*** ** | B |
| C | C | 0370 0*** ** | C |
| D | D | 0370 0*** ** | D |
| E | E | 0370 0*** ** | E |
| F | F | 0370 0*** ** | F |
| G | G | 0370 0*** ** | G |
| H | H | 0370 0*** ** | H |
| I | I | 0370 0*** ** | I |
| J | J | 0370 0*** ** | J |
| K | K | 0370 0*** ** | K |
| L | L | 0370 0*** ** | L |
| M | M | 0370 0*** ** | M |
| N | N | 0370 0*** ** | N |
| O | O | 0370 0*** ** | O |
| P | P | 0370 0*** ** | P |
| Q | Q | 0370 0*** ** | Q |
| R | R | 0370 0*** ** | R |
| S | S | 0370 0*** ** | S |
| T | T | 0370 0*** ** | T |
| U | U | 0370 0*** ** | U |
| V | V | 0370 0*** ** | V |
| W | W | 0370 0*** ** | W |
| X | X | 0370 0*** ** | X |
| Y | Y | 0370 0*** ** | Y |
| Z | Z | 0370 0*** ** | Z |

|    |    |              |     |
|----|----|--------------|-----|
| 0  | 0  | 0370 0*** ** | 0   |
| 1  | 1  | 0370 0*** ** | 1   |
| 2  | 2  | 0370 0*** ** | 2   |
| 3  | 3  | 0370 0*** ** | 3   |
| 4  | 4  | 0370 0*** ** | 4   |
| 5  | 5  | 0370 0*** ** | 5   |
| 6  | 6  | 0370 0*** ** | 6   |
| 7  | 7  | 0370 0*** ** | 7   |
| 8  | 8  | 0370 0*** ** | 8   |
| 9  | 9  | 0370 0*** ** | 9   |
| L1 | L1 | 0370 0*** ** | L1  |
| L2 | L2 | 0370 0*** ** | L2  |
| L3 | L3 | 0370 0*** ** | L3  |
| A1 | A1 | 0370 0*** ** | A1  |
| A2 | A2 | 0370 0*** ** | A2  |
| PE | PE | 0370 0*** ** | PE  |
| +  | +  | 0370 0*** ** | +   |
| -  | -  | 0370 0*** ** | -   |
| ·  | ·  | 0370 0*** ** | ·   |
| =  | =  | 0370 0*** ** | =   |
| *  | *  | 0370 0*** ** | *   |
| /  | /  | 0370 0*** ** | /   |
| ⊥  | ⊥  | 0370 0*** ** | TER |
| ~  | ~  | 0370 0*** ** | ALT |
| Ω  | Ω  | 0370 0*** ** | OHM |

|   |                 |
|---|-----------------|
| 0 | 0370 0*** 010 0 |
| 1 | 0370 0*** 006 1 |
| 2 | 0370 0*** 007 2 |
| 3 | 0370 0*** 005 3 |
| 4 | 0370 0*** 004 4 |
| 5 | 0370 0*** 003 5 |
| 6 | 0370 0*** 002 6 |
| 7 | 0370 0*** 008 7 |
| 8 | 0370 0*** 013 8 |
| 9 | 0370 0*** 001 9 |
|   | 0370 0*** 001   |
|   | 0370 0*** 004   |

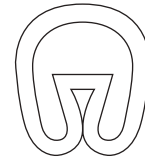
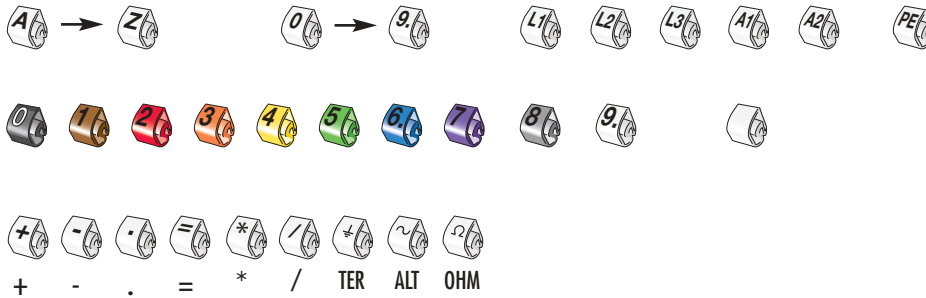


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With identical characteristics to the PLIOTEX-V<sup>plus</sup> markers but not chevron cut, but straight cut.



**6.**

Example for order:

| code group | detail article | code colour | code marker |        |                |
|------------|----------------|-------------|-------------|--------|----------------|
| 0361       | 0XXXXXX        | XXXXXX      | XXXXXX      | PT+ 30 | F 03610472001F |
| 0361       | 0XXXXXX        | XXXXXX      | XXXXXX      | PT+ 90 | 3 036104840053 |

**detail article**

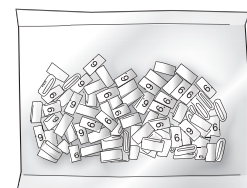
| type   | article number    |                    |                        | for cables Ø<br>mm | sections<br>mm <sup>2</sup> | rings |
|--------|-------------------|--------------------|------------------------|--------------------|-----------------------------|-------|
|        | white             | international code | unprinted colour white |                    |                             |       |
| PT+ 30 | 0361 0472 001 *** | 0361 0482 *** **   | 0361 0492 001          | 1 - 3              | 0,2 - 1,5                   | 100   |
| PT+ 45 | 0361 0473 001 *** | 0361 0483 *** **   | 0361 0493 001          | 2,2 - 5            | 1 - 6                       | 100   |
| PT+ 90 | 0361 0474 001 *** | 0361 0484 *** **   | 0361 0494 001          | 4 - 9              | 4 - 16                      | 100   |

**code colours**

|            |            |            |            |            |            |            |            |            |            |
|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| <b>010</b> | <b>006</b> | <b>007</b> | <b>005</b> | <b>004</b> | <b>003</b> | <b>002</b> | <b>008</b> | <b>013</b> | <b>001</b> |
| black      | brown      | red        | orange     | yellow     | green      | blue       | violet     | grey       | white      |

**code markers**

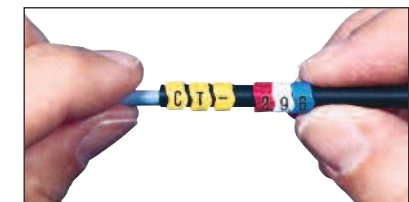
|    |                   |
|----|-------------------|
| A  | 0361 0*** 001 A   |
| B  | 0361 0*** 001 B   |
| C  | 0361 0*** 001 C   |
| D  | 0361 0*** 001 D   |
| E  | 0361 0*** 001 E   |
| F  | 0361 0*** 001 F   |
| G  | 0361 0*** 001 G   |
| H  | 0361 0*** 001 H   |
| I  | 0361 0*** 001 I   |
| J  | 0361 0*** 001 J   |
| K  | 0361 0*** 001 K   |
| L  | 0361 0*** 001 L   |
| M  | 0361 0*** 001 M   |
| N  | 0361 0*** 001 N   |
| O  | 0361 0*** 001 O   |
| P  | 0361 0*** 001 P   |
| Q  | 0361 0*** 001 Q   |
| R  | 0361 0*** 001 R   |
| S  | 0361 0*** 001 S   |
| T  | 0361 0*** 001 T   |
| U  | 0361 0*** 001 U   |
| V  | 0361 0*** 001 V   |
| W  | 0361 0*** 001 W   |
| X  | 0361 0*** 001 X   |
| Y  | 0361 0*** 001 Y   |
| Z  | 0361 0*** 001 Z   |
| 0  | 0361 0*** 001 0   |
| 1  | 0361 0*** 001 1   |
| 2  | 0361 0*** 001 2   |
| 3  | 0361 0*** 001 3   |
| 4  | 0361 0*** 001 4   |
| 5  | 0361 0*** 001 5   |
| 6  | 0361 0*** 001 6   |
| 7  | 0361 0*** 001 7   |
| 8  | 0361 0*** 001 8   |
| 9  | 0361 0*** 001 9   |
| L1 | 0361 0*** 001 L1  |
| L2 | 0361 0*** 001 L2  |
| L3 | 0361 0*** 001 L3  |
| A1 | 0361 0*** 001 A1  |
| A2 | 0361 0*** 001 A2  |
| PE | 0361 0*** 001 PE  |
| +  | 0361 0*** 001 +   |
| -  | 0361 0*** 001 -   |
| .  | 0361 0*** 001 .   |
| =  | 0361 0*** 001 =   |
| *  | 0361 0*** 001 *   |
| /  | 0361 0*** 001 /   |
| ⊥  | 0361 0*** 001 TER |
| ~  | 0361 0*** 001 ALT |
| Ω  | 0361 0*** 001 OHM |
| 0  | 0361 0*** 010 0   |
| 1  | 0361 0*** 006 1   |
| 2  | 0361 0*** 007 2   |
| 3  | 0361 0*** 005 3   |
| 4  | 0361 0*** 004 4   |
| 5  | 0361 0*** 003 5   |
| 6  | 0361 0*** 002 6   |
| 7  | 0361 0*** 008 7   |
| 8  | 0361 0*** 013 8   |
| 9  | 0361 0*** 001 9   |
|    | 0361 0*** 001     |





**• Thimble jigs**

Thimble jigs in steel for easier assembly and application of PLIOTEX-V+ markers. Different sizes allow setting of the markers with less effort.



| type                     | article number | for rings       | mm   | mm <sup>2</sup> |   |
|--------------------------|----------------|-----------------|------|-----------------|---|
| PT-V <sup>plus</sup> n°1 | 0361 0301 000  | PT-V+ 30        | 2    | 0,2 - 0,5       | 1 |
| PT-V <sup>plus</sup> n°2 | 0361 0302 000  | PT-V+ 30 & 45   | 3    | 0,5 - 1,5       | 1 |
| PT-V <sup>plus</sup> n°3 | 0361 0303 000  | PT-V+ 45        | 4    | 0,75 - 2,5      | 1 |
| PT-V <sup>plus</sup> n°4 | 0361 0304 000  | PT-V+ 45        | 4,4  | 2,5 - 4         | 1 |
| PT-V <sup>plus</sup> n°5 | 0361 0305 000  | PT-V+ 45 & 90   | 4,8  | 4 - 6           | 1 |
| PT-V <sup>plus</sup> n°6 | 0361 0306 000  | PT-V+ 90        | 6,5  | 4 - 10          | 1 |
| PT-V <sup>plus</sup> n°7 | 0361 0307 000  | PT-V+ 90 & 150  | 8    | 16              | 1 |
| PT-V <sup>plus</sup> n°8 | 0361 0308 000  | PT-V+ 150 & 240 | 13   | 25 - 50         | 1 |
| PT-V <sup>plus</sup> n°9 | 0361 0309 000  | PT-V+ 150 & 240 | 14,5 | 50 - 70         | 1 |

**• Dispenser SUCA - 350 for marker reels**

Dispenser for PLIOTEX-V<sup>plus</sup> marker reels - to assemble reels for bench work and on-site work (also suitable for PLIO-V-MARKERS, PLIO-M-MARKERS M-65 and OPTO-MARKERS).

**Maximum capacity:**  
 50 reels PT-V<sup>plus</sup> 30 or PLIO-V-09 to V-16 or TC-09  
 37 reels PT-V<sup>plus</sup> 45 or PLIO-V-22 to V-40 or TC-27  
 27 reels PT-V<sup>plus</sup> 90 or PLIO-V-50 to V-65 or M-65



| type     | article number | external dimensions (mm) |       |        | weight g |   |
|----------|----------------|--------------------------|-------|--------|----------|---|
|          |                | length                   | width | height |          |   |
| SUCA 350 | 0360 0500 000  | 430                      | 129   | 200    | 600      | 1 |

**• Box for markers**

- Order of the markers.
- Protection of the markers.
- Ready for use.
- Number of markers in the box is variable because of the size of the markers.

**Maximum capacity:**  
 1000 rings PLIOTEX-V+ or PLIOTEX+ 30 per compartment  
 400 rings PLIOTEX-V+ or PLIOTEX+ 45 per compartment  
 100 rings PLIOTEX-V+ or PLIOTEX+ 90 per compartment

**Dimensions:** 240 x 195 x 43 mm  
**Material:** Polypropylene



| type      | article number | external dimensions (mm) |       |        | weight g |   |
|-----------|----------------|--------------------------|-------|--------|----------|---|
|           |                | length                   | width | height |          |   |
| BOX PSC18 | 0370 0910 000  | 240                      | 195   | 43     | 295      | 1 |

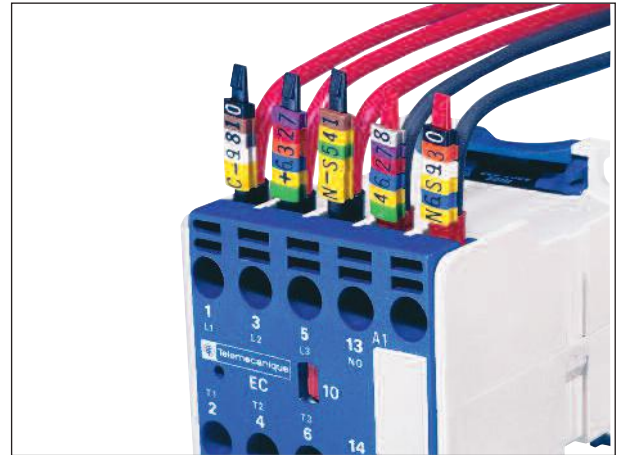




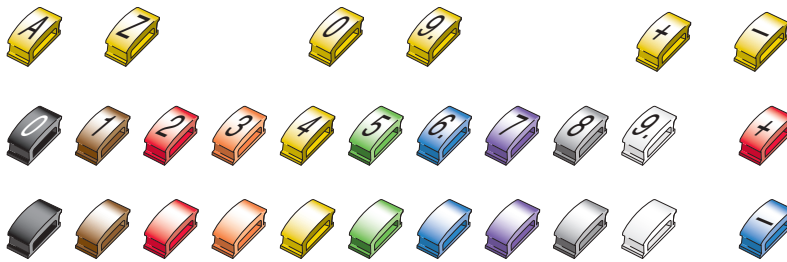
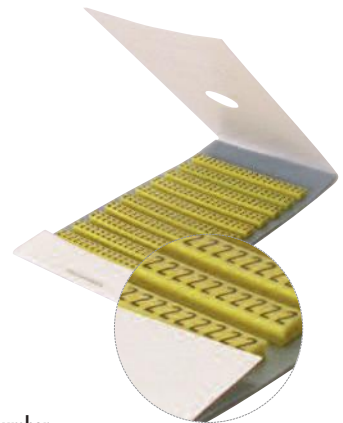
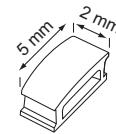
**PLIOFAST**

**Material:** flexible PVC quality 9940  
**Operating temperatures:** -20 to +90°C  
**Hardness Shore A:** 90 ± 5  
**Tensile strength at break:** 25 MPa  
**Ultimate elongation:** 240 %  
**Dielectric strength:** 20 kV/mm  
**Volume resistivity:** 3 x 10<sup>12</sup> Ω.cm  
**Print height:** 3 mm

**Application:** identification of cables from 0,75 to 25 mm<sup>2</sup>.



- One type of marker for the 9 sizes of bootlace ferrules.
- One identification can be made with up to 6 legends.
- Identification can be performed **before or after** the ferrules have been located.
- Markers are in booklets of **200 identical legends**.
- Identification remains legible and straight even when the wire has to be bent at termination.



| article number yellow | article number yellow | article number international code | article number color unprinted |
|-----------------------|-----------------------|-----------------------------------|--------------------------------|
| A 0372 0001 004 A     | U 0372 0001 004 U     | 0 0372 0001 010 0                 | 0 0372 0001 010                |
| B 0372 0001 004 B     | V 0372 0001 004 V     | 1 0372 0001 006 1                 | 1 0372 0001 006                |
| C 0372 0001 004 C     | W 0372 0001 004 W     | 2 0372 0001 007 2                 | 2 0372 0001 007                |
| D 0372 0001 004 D     | X 0372 0001 004 X     | 3 0372 0001 005 3                 | 3 0372 0001 005                |
| E 0372 0001 004 E     | Y 0372 0001 004 Y     | 4 0372 0001 004 4                 | 4 0372 0001 004                |
| F 0372 0001 004 F     | Z 0372 0001 004 Z     | 5 0372 0001 003 5                 | 5 0372 0001 003                |
| G 0372 0001 004 G     |                       | 6 0372 0001 002 6                 | 6 0372 0001 002                |
| H 0372 0001 004 H     | + 0372 0001 004 +     | 7 0372 0001 008 7                 | 7 0372 0001 008                |
| I 0372 0001 004 I     | - 0372 0001 004 -     | 8 0372 0001 013 8                 | 8 0372 0001 013                |
| J 0372 0001 004 J     |                       | 9 0372 0001 001 9                 | 9 0372 0001 001                |
| K 0372 0001 004 K     | 0 0372 0001 004 0     | + 0372 0001 007 +                 |                                |
| L 0372 0001 004 L     | 1 0372 0001 004 1     | - 0372 0001 002 -                 |                                |
| M 0372 0001 004 M     | 2 0372 0001 004 2     |                                   |                                |
| N 0372 0001 004 N     | 3 0372 0001 004 3     |                                   |                                |
| O 0372 0001 004 O     | 4 0372 0001 004 4     |                                   |                                |
| P 0372 0001 004 P     | 5 0372 0001 004 5     |                                   |                                |
| Q 0372 0001 004 Q     | 6 0372 0001 004 6     |                                   |                                |
| R 0372 0001 004 R     | 7 0372 0001 004 7     |                                   |                                |
| S 0372 0001 004 S     | 8 0372 0001 004 8     |                                   |                                |
| T 0372 0001 004 T     | 9 0372 0001 004 9     |                                   |                                |



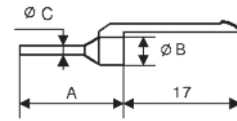






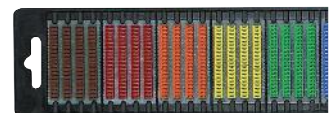
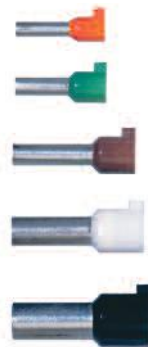
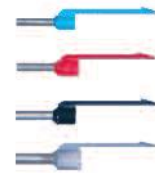
With indented ferrules, you can simultaneously:

- **isolate** conductors.
- **optimization** of connection by the bootlace ferrules.
- **identify** your termination.

**Material:** polyamid



| type  | article number | sections<br>mm <sup>2</sup> | insulation<br>colour | dimensions (mm) |   |     |  |
|---|----------------|-----------------------------|----------------------|-----------------|---|-----|---|
|   |                |                             |                      | A               | ØB  | ØC  |   |
| <b>• Bootlace ferrules with fixed carrier</b><br>with carrier for max. 6 markers                                |                |                             |                      |                 |   |     |   |
| <b>PLIOFAST 007</b>   | 0642 0020 002  | 0,75                        | blue                 | 13,5            | 3,3   | 1,8 | 1000  |
| <b>PLIOFAST 010</b>   | 0642 0025 007  | 1                           | red                  | 13,5            | 3,5   | 1,8 | 1000  |
| <b>PLIOFAST 015</b>   | 0642 0030 010  | 1,5                         | black                | 13,5            | 4   | 2   | 1000  |
| <b>PLIOFAST 025</b>   | 0642 0035 013  | 2,5                         | grey                 | 14,5            | 4,7   | 2,5 | 1000  |
| <b>• Insulated PLIOFAST bootlace ferrules with receptacle</b><br>for carrier article number 642-901 (see below) |                |                             |                      |                 |   |     |   |
| <b>CA-042</b>   | 0642 0106 005  | 4                           | orange               | 17,3            | 5,9   | 3,3 | 100   |
| <b>CA-062</b>   | 0642 0108 003  | 6                           | green                | 20              | 7   | 4   | 100   |
| <b>CA-103</b>   | 0642 0109 006  | 10                          | brown                | 27              | 8,4   | 5   | 100   |
| <b>CA-163</b>   | 0642 0110 001  | 16                          | white                | 29              | 9,8   | 6,4 | 100   |
| <b>CA-253</b>   | 0642 0111 010  | 25                          | black                | 30              | 12  | 8,2 | 100   |
| <b>• Detachable carrier for types CA-042 to CA-253</b><br>for max. 7 markers                                    |                |                             |                      |                 |   |     |   |
| <b>CA-carrier</b>   | 0642 0901 018  | length: 22 mm               |                      |                 |  |     | 100   |
| <b>• Mounting tool</b>  |                |                             |                      |                 |   |     |   |
| <b>PLIOFAST tool</b>  | 0372 0002 000  |                             |                      |                 |   |     | 1   |
| <b>• Mounting plaque</b>  |                |                             |                      |                 |   |     |   |
| <b>PLIOFAST plaque</b>  | 0372 0011 000  | empty in plastic bag        |                      |                 |   |     | 1   |



Remove the markers one by one from the booklet in reverse identification reading order.

### Operating use



Once marking is assembled (maximum 6 markers), slide them along the ferrule strip.



Put the ferrule on the bare end of the wire and connect. Adjust positioning of the markers if necessary.

# OPTO-MARKERS TC-9 rings

for Telecom cables  
in fibre optic

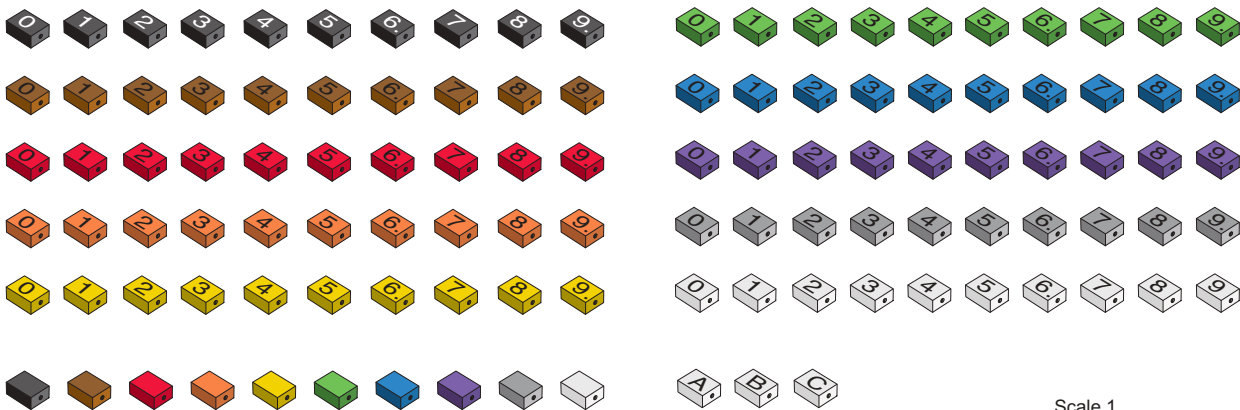
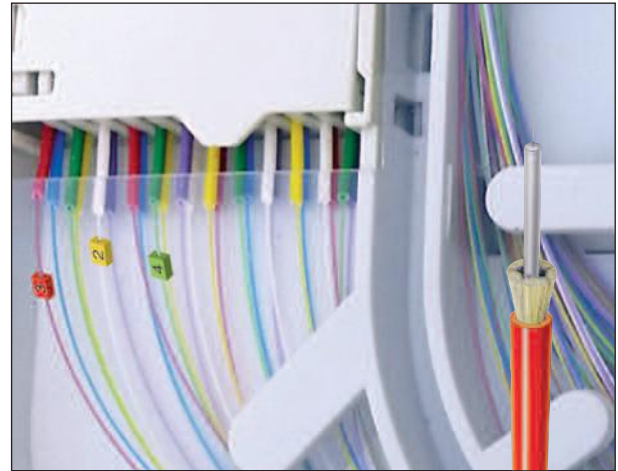


OPTO-MARKERS

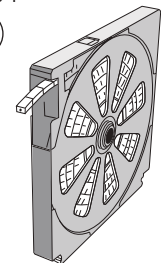


## OPTO-MARKERS TC-9

**Material:** flexible PVC  
**Operating temperatures:** -20 to +90°C  
**Hardness Shore A:** 80 ± 3  
**Tensile strength at break:** 18 MPa  
**Ultimate elongation:** 250 %  
**Dielectric strength:** > 20 kV/mm  
**Flame resistance:** V0 UL94  
**Application:** identification of fibre optic from 0,2 to 0,4 mm ext. Ø with double sided print (except black markers).  
**Special print:** please consult us.



Scale 1



Example for order:

| code group | detail article | code colour | code marker |
|------------|----------------|-------------|-------------|
| 0363       | XXXXXX         | XXXXXX      | XXXXXX      |

|   |              |
|---|--------------|
| 3 | 036304010013 |
| 3 | 036305010008 |

### detail article

| type  | article number   | dimensions mm | for fibre Ø (mm) | rings |
|-------|------------------|---------------|------------------|-------|
| TC-09 | 0363 0401 *** ** | 4 x 2,5 x 1,2 | 0,2 - 0,4        | 1000  |

### code colour

|       |       |     |        |        |       |      |        |      |       |
|-------|-------|-----|--------|--------|-------|------|--------|------|-------|
| 010   | 006   | 007 | 005    | 004    | 003   | 002  | 008    | 013  | 001   |
| black | brown | red | orange | yellow | green | blue | violet | grey | white |

### code marker

|   |                 |               |   |                 |
|---|-----------------|---------------|---|-----------------|
| 0 | 0363 0401 *** 0 | 0363 0501 010 | A | 0363 0401 001 A |
| 1 | 0363 0401 *** 1 | 0363 0501 006 | B | 0363 0401 001 B |
| 2 | 0363 0401 *** 2 | 0363 0501 007 | C | 0363 0401 001 C |
| 3 | 0363 0401 *** 3 | 0363 0501 005 |   |                 |
| 4 | 0363 0401 *** 4 | 0363 0501 004 |   |                 |
| 5 | 0363 0401 *** 5 | 0363 0501 003 |   |                 |
| 6 | 0363 0401 *** 6 | 0363 0501 002 |   |                 |
| 7 | 0363 0401 *** 7 | 0363 0501 008 |   |                 |
| 8 | 0363 0401 *** 8 | 0363 0501 013 |   |                 |
| 9 | 0363 0401 *** 9 | 0363 0501 001 |   |                 |

Black ring:  
print on one side



# OPTO-MARKERS TC-27 rings

for Telecom cables  
in fibre optic

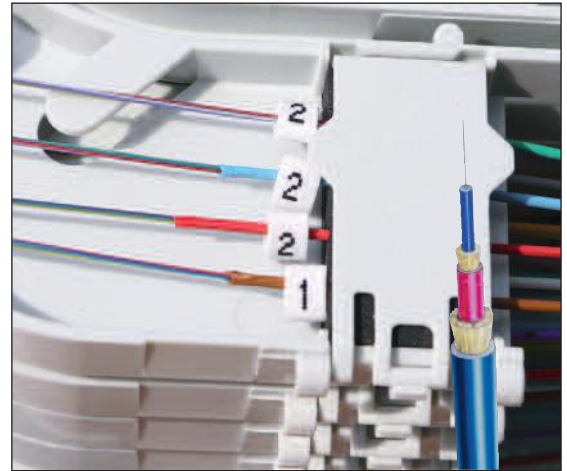


OPTO-MARKERS

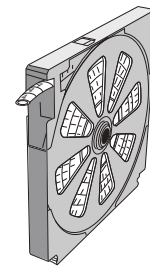
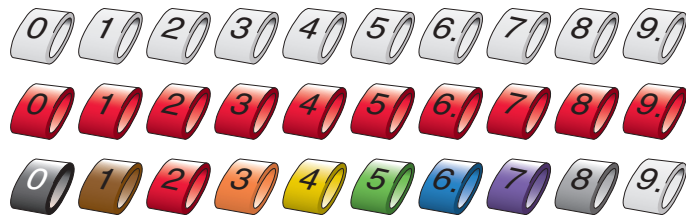


## OPTO-MARKERS TC-27

**Material:** flexible PVC quality 9732  
**Operating temperatures:** -20 to +90°C  
**Hardness Shore A:** 80 ± 3  
**Tensile strength at break:** 18 MPa  
**Ultimate elongation:** 250 %  
**Dielectric strength:** > 20 kV/mm  
**Flame resistance:** V0 UL94  
**Application:** identification of fibre optic from 1,6 to 2,5 mm ext. Ø with double sided print (except black markers).  
**Special print:** please consult us.



Scale 1



Example for order:

| code group | detail article | code colour | code marker |
|------------|----------------|-------------|-------------|
| 0363       | 0214           | x x x       | x x x x     |

| detail article | type | article number   | dimensions mm | for fibre Ø (mm) | rings |
|----------------|------|------------------|---------------|------------------|-------|
| TC-27          |      | 0363 0214 *** ** | 4 x 5,2 x 2,5 | 1,6 - 2,5        | 1000  |

| code colour | 010   | 006   | 007 | 005    | 004    | 003   | 002  | 008    | 013  | 001   |
|-------------|-------|-------|-----|--------|--------|-------|------|--------|------|-------|
|             | black | brown | red | orange | yellow | green | blue | violet | grey | white |

| code marker | 0               | 1               | 2               | 3               | 4               | 5               | 6               | 7               | 8               | 9               |
|-------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
|             | 0363 0214 001 0 | 0363 0214 001 1 | 0363 0214 001 2 | 0363 0214 001 3 | 0363 0214 001 4 | 0363 0214 001 5 | 0363 0214 001 6 | 0363 0214 001 7 | 0363 0214 001 8 | 0363 0214 001 9 |
|             | 0363 0214 007 0 | 0363 0214 007 1 | 0363 0214 007 2 | 0363 0214 007 3 | 0363 0214 007 4 | 0363 0214 007 5 | 0363 0214 007 6 | 0363 0214 007 7 | 0363 0214 007 8 | 0363 0214 007 9 |
|             | 0363 0214 010 0 | 0363 0214 006 1 | 0363 0214 007 2 | 0363 0214 005 3 | 0363 0214 004 4 | 0363 0214 003 5 | 0363 0214 002 6 | 0363 0214 008 7 | 0363 0214 013 8 | 0363 0214 001 9 |

Black ring:  
print on one side



B7/4-05



B11/1-02

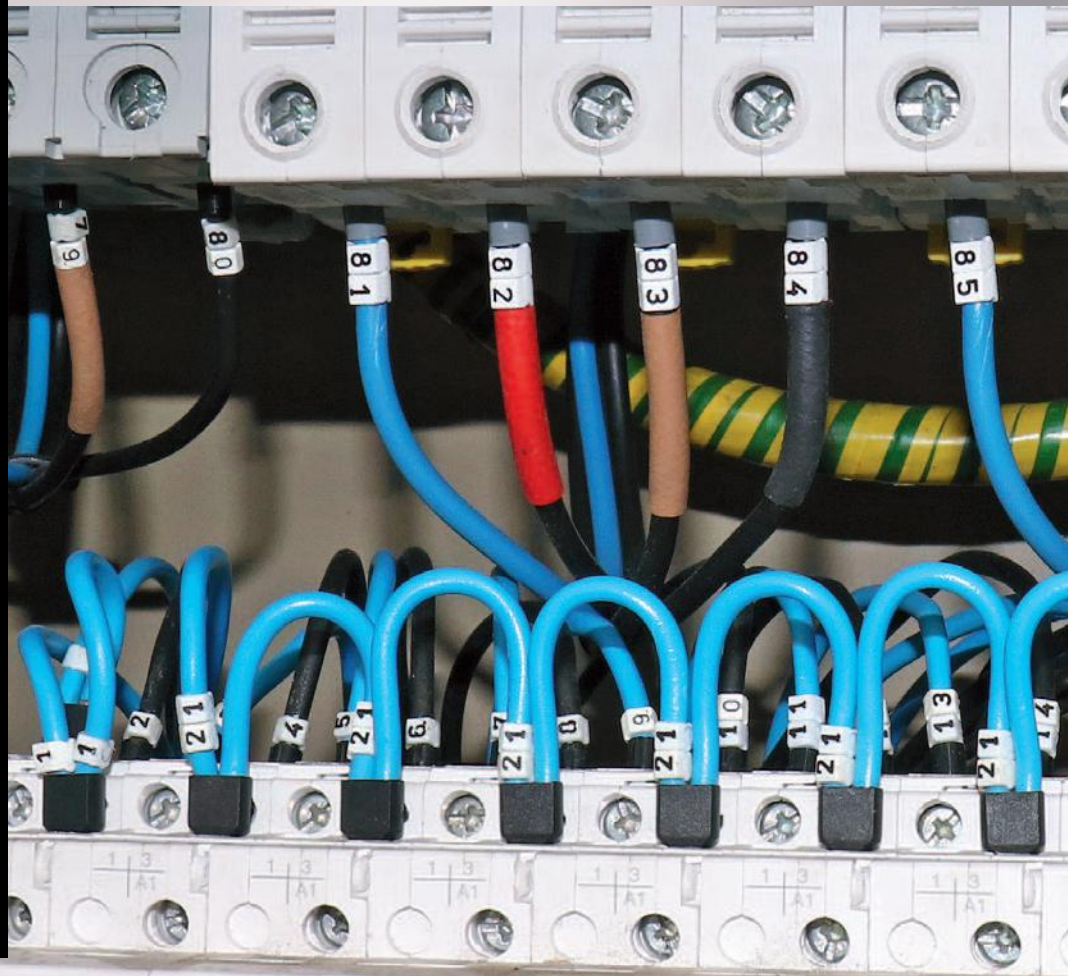
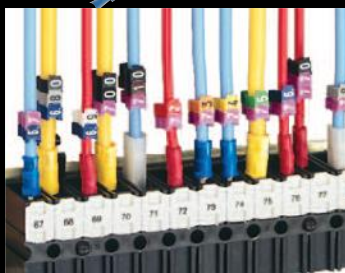
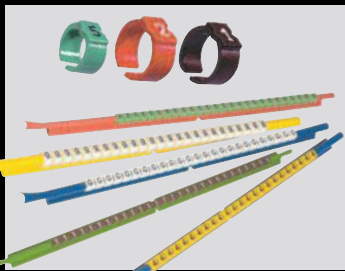
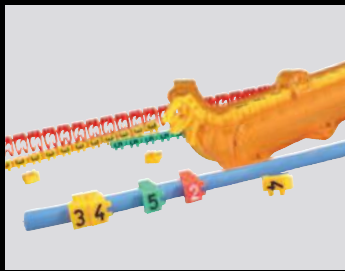
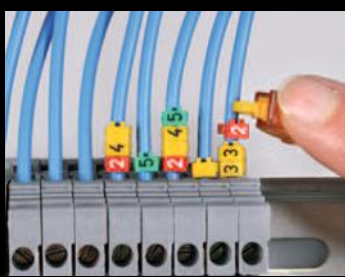






# B8

Identification system  
PLIOGRIP  
PLIO SNAP+®  
and PLIO-CLIP





| Page                   | B8/1                      | B8/2                                | B8/3                     |
|------------------------|---------------------------|-------------------------------------|--------------------------|
|                        | <b>PLIOGRIP</b>           | <b>PLIO SNAP+®</b>                  | <b>PLIO-CLIP</b>         |
| Profile                |                           |                                     |                          |
| Material               | POM                       | POM                                 | PA                       |
| Operating temperatures | -40 to +90°C              | -40 to +90°C                        | -30 to +100°C            |
| Sections               | 0,15 to 6 mm <sup>2</sup> | optical fiber to 75 mm <sup>2</sup> | 0,5 to 6 mm <sup>2</sup> |
| Tool                   | Tool<br>PLIOGRIP-TOOL     | PST wand                            | -                        |

Marking and colours of the markers

A → Z    A → Z  
0 → 9.    0 → 9.  
L1 L2 L3 PE    L1 L2 L3 PE

+ +  
- -  
/ /  
⚡ ⚡  
⊕ ⊕

+ -

0 0  
1 1  
2 2  
3 3  
4 4  
5 5  
6 6  
7 7  
8 8  
9. 9.

A → Z    A → Z  
0 → 9.    0 → 9.  
L1 L2 L3    L1 L2 L3

/ → p    / → p  
\* ⚡ ⊕    \* ⚡ ⊕  
⚡ ⊕ ⊖    ⚡ ⊕ ⊖  
⊕ ⊖ ⊕    ⊕ ⊖ ⊕  
⊖ ⊕ ⊖    ⊖ ⊕ ⊖  
⊕ ⊖ ⊕    ⊕ ⊖ ⊕

+ -

0 0 0  
1 1 1  
2 2  
3 3  
4 4  
5 5  
6 6  
7 7  
8 8  
9. 9.

A → Z

+  
-  
/  
⚡

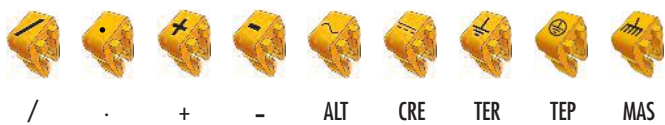
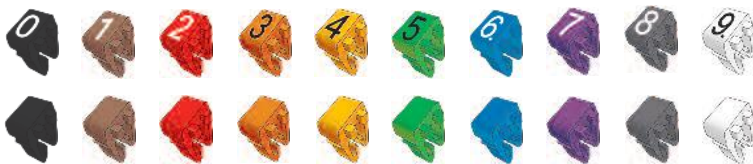
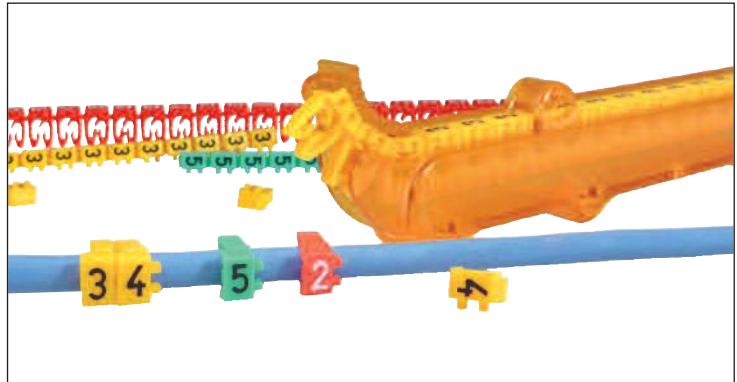
0 0  
1 1  
2 2  
3 3  
4 4  
5 5  
6 6  
7 7  
8 8  
9. 9.



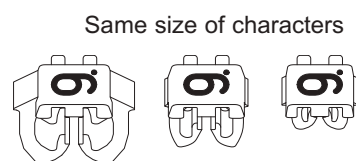
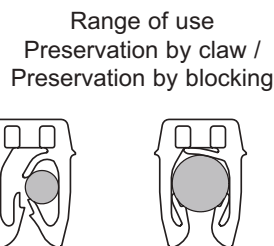
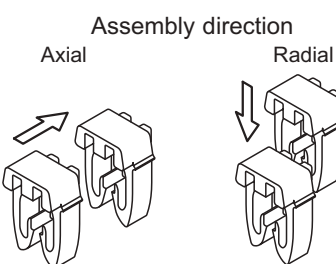
## PLIOGRIP

|                                   |                         |
|-----------------------------------|-------------------------|
| <b>Material:</b>                  | POM                     |
| <b>Operating temperatures:</b>    | -40 to +90°C            |
| <b>Tensile strength at yield:</b> | 54 N/mm <sup>2</sup>    |
| <b>Elongation at break:</b>       | 30 %                    |
| <b>Elasticity:</b>                | 2100 N//mm <sup>2</sup> |
| <b>Dielectric strength:</b>       | 28 kV/mm                |
| <b>Flame resistance:</b>          | HB UL94                 |

**Application:** applied by clipping direct to wires and cables of sections 0,15 - 6 mm<sup>2</sup> before or after connection.



Other symbols upon request.



Operating instruction in video





## Markers PLIOGRIP

Example for order:

| code group | detail article | code colour | code marker |
|------------|----------------|-------------|-------------|
| 0376       | 0XXXXXX        | XXXXXX      | XXXXXX      |

T0 0376 00010001F

T1 0376 00011004TER

T2 0376 000220053

### detail article

| type | article number   |                  | mm        | section mm <sup>2</sup> | numerical markers | alphabetical markers symbols and unprinted |
|------|------------------|------------------|-----------|-------------------------|-------------------|--|
|      | white / yellow * | colours          |           |                         |                   |  |
| T0   | 0376 0010 *** ** | 0376 0020 *** ** | 0,8 - 2,2 | 0,15 - 0,5              | 1000              | 300  |
| T1   | 0376 0011 *** ** | 0376 0021 *** ** | 2,2 - 3,8 | 0,5 - 2,5               | 1000              | 300  |
| T2   | 0376 0012 *** ** | 0376 0022 *** ** | 3,8 - 5,3 | 2,5 - 6                 | 800               | 200  |

\* Markers L1 L2 L3, PE are not available for models T1 and T2.

### code colours

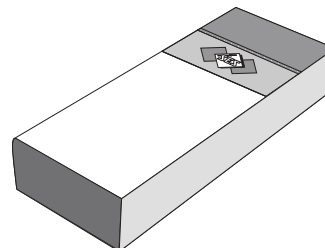
|            |            |            |            |            |            |            |            |            |            |
|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| <b>010</b> | <b>006</b> | <b>007</b> | <b>005</b> | <b>004</b> | <b>003</b> | <b>002</b> | <b>008</b> | <b>013</b> | <b>001</b> |
| black      | brown      | red        | orange     | yellow     | green      | blue       | violet     | grey       | white      |

### code markers

|   |   |                |   |   |                |    |    |                  |   |                 |               |
|---|---|----------------|---|---|----------------|----|----|------------------|---|-----------------|---------------|
| A | A | 0376 **** ** A | 0 | 0 | 0376 **** ** 0 | /  | /  | 0376 **** ** /   | 0 | 0376 **** 010 0 | 0376 **** 010 |
| B | B | 0376 **** ** B | 1 | 1 | 0376 **** ** 1 | .  | .  | 0376 **** ** .   | 1 | 0376 **** 006 1 | 0376 **** 006 |
| C | C | 0376 **** ** C | 2 | 2 | 0376 **** ** 2 | +  | +  | 0376 **** ** +   | 2 | 0376 **** 007 2 | 0376 **** 007 |
| D | D | 0376 **** ** D | 3 | 3 | 0376 **** ** 3 | -  | -  | 0376 **** ** -   | 3 | 0376 **** 005 3 | 0376 **** 005 |
| E | E | 0376 **** ** E | 4 | 4 | 0376 **** ** 4 | ~  | ~  | 0376 **** ** ALT | 4 | 0376 **** 004 4 | 0376 **** 004 |
| F | F | 0376 **** ** F | 5 | 5 | 0376 **** ** 5 | ⊥  | ⊥  | 0376 **** ** CRE | 5 | 0376 **** 003 5 | 0376 **** 003 |
| G | G | 0376 **** ** G | 6 | 6 | 0376 **** ** 6 | ⊕  | ⊕  | 0376 **** ** TER | 6 | 0376 **** 002 6 | 0376 **** 002 |
| H | H | 0376 **** ** H | 7 | 7 | 0376 **** ** 7 | ⊖  | ⊖  | 0376 **** ** TEP | 7 | 0376 **** 008 7 | 0376 **** 008 |
| I | I | 0376 **** ** I | 8 | 8 | 0376 **** ** 8 | Ⓜ  | Ⓜ  | 0376 **** ** MAS | 8 | 0376 **** 013 8 | 0376 **** 013 |
| J | J | 0376 **** ** J | 9 | 9 | 0376 **** ** 9 | L1 | L1 | 0376 **** ** L1  | 9 | 0376 **** 001 9 | 0376 **** 001 |
| K | K | 0376 **** ** K |   |   |                | L2 | L2 | 0376 **** ** L2  |   |                 |               |
| L | L | 0376 **** ** L |   |   |                | L3 | L3 | 0376 **** ** L3  |   |                 |               |
| M | M | 0376 **** ** M |   |   |                | PE | PE | 0376 **** ** PE  |   |                 |               |
| N | N | 0376 **** ** N |   |   |                |    |    |                  | + | 0376 **** 007 + |               |
| O | O | 0376 **** ** O |   |   |                |    |    |                  | - | 0376 **** 002 - |               |
| P | P | 0376 **** ** P |   |   |                |    |    |                  |   |                 |               |
| Q | Q | 0376 **** ** Q |   |   |                |    |    |                  |   |                 |               |
| R | R | 0376 **** ** R |   |   |                |    |    |                  |   |                 |               |
| S | S | 0376 **** ** S |   |   |                |    |    |                  |   |                 |               |
| T | T | 0376 **** ** T |   |   |                |    |    |                  |   |                 |               |
| U | U | 0376 **** ** U |   |   |                |    |    |                  |   |                 |               |
| V | V | 0376 **** ** V |   |   |                |    |    |                  |   |                 |               |
| W | W | 0376 **** ** W |   |   |                |    |    |                  |   |                 |               |
| X | X | 0376 **** ** X |   |   |                |    |    |                  |   |                 |               |
| Y | Y | 0376 **** ** Y |   |   |                |    |    |                  |   |                 |               |
| Z | Z | 0376 **** ** Z |   |   |                |    |    |                  |   |                 |               |



Box available with a European suspension hole.






• **PLIOGRIP PSR marker carriers for the marking of large cables**

There are two length of marker carriers available for size 0, and one length for size 1.

We recommend fixing markers with SES-QUICK cable ties width 2,4 and 2,6 mm type 100/25SL - 150/26SL - 200/26SL - 110/26SE (see pages C12/..).

| type      | artide number | for markers | markers per wand |  pcs |
|-----------|---------------|-------------|------------------|---|
| PSR-03-8  | 0374 0710 010 | T0          | 8                | 100   |
| PSR-03-15 | 0374 0720 010 | T0          | 16               | 100   |
| PSR-09-15 | 0374 0730 010 | T1          | 17               | 100   |



• **Universal tool**

Only one tool for 3 types of markers.

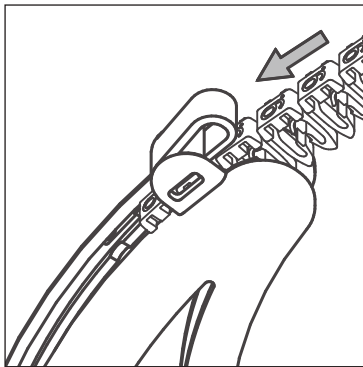
Ease of assembly of the markers per wand.

Ergonomics allowing the location of the cables on the top.

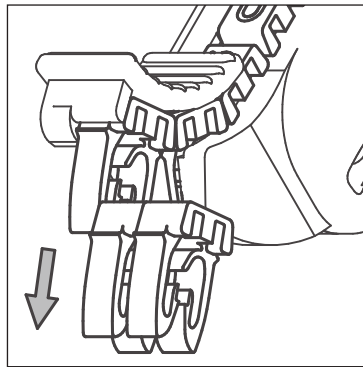
| type          | artide number |  |
|---------------|---------------|---|
| PLIOGRIP-TOOL | 0376 0100 000 | 10  |



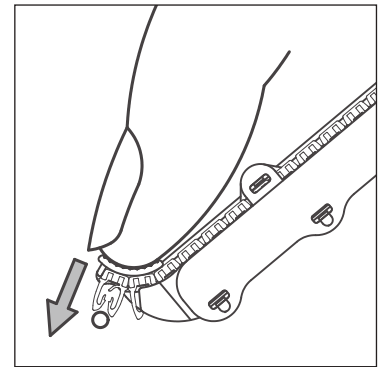
Box available with a European suspension hole.



Ease of assembly



Radial assembly



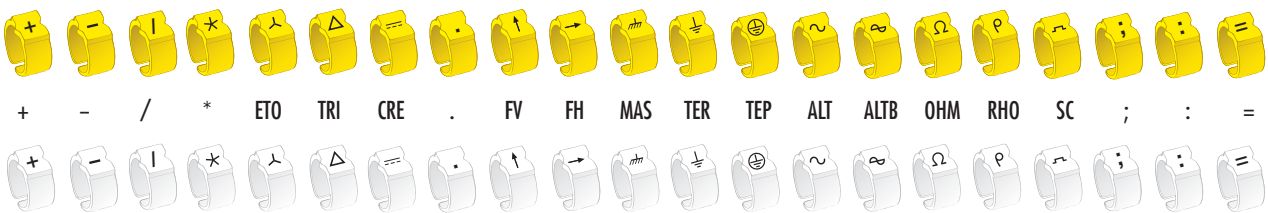
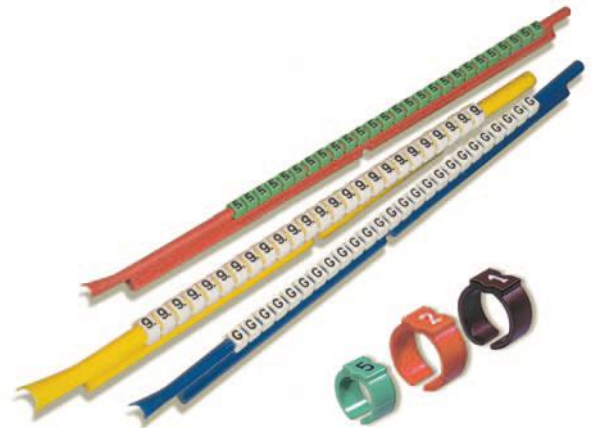
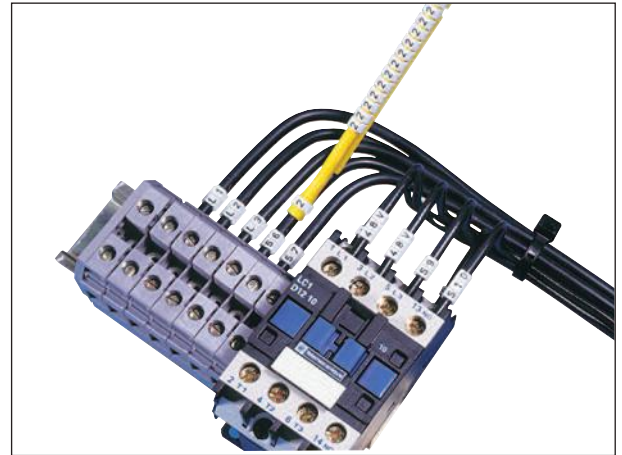
Ergonomics



**PLIO SNAP+**

|                                   |              |
|-----------------------------------|--------------|
| <b>Material:</b>                  | POM          |
| <b>Operating temperatures:</b>    | -40 to +90°C |
| <b>Tensile strength at yield:</b> | 45 MPa       |
| <b>Elongation at break:</b>       | 40 %         |
| <b>Elasticity:</b>                | 1800 MPa     |
| <b>Dielectric strength:</b>       | 20 kV/mm     |
| <b>Flame resistance:</b>          | HB UL94      |

**Application:** marking of cables on connector block after connection, even in difficult places.



The mounting wands have a support so that when they are in a horizontal position the markings can be easily identified.



PLIO SNAP+ markers grip the conductor tightly without the risk of damaging the insulation



Due to chevrons on both sides the markers take up correct orientation.



Operating instruction in video



PLIO SNAP+ markers

Example for order:

| code group | detail article | code colour | code marker |
|------------|----------------|-------------|-------------|
| 0374       | 0XXXXXX        | XXXXX       | XXXXX       |

|       |  |                |
|-------|--|----------------|
| PS-02 |  | 03740020001F   |
| PS-06 |  | 03740040001TER |
| PS-12 |  | 037404600053   |
| PS-17 |  | 03740480004    |

detail article

| type   | white wands       | article number yellow wands | international code and unprinted markers | mm            | mm <sup>2</sup> | wands | colours of the wands | markers |
|--------|-------------------|-----------------------------|--|---------------|-----------------|-------|----------------------|---------|
| PS-00* | 0374 0001 001 *** | 0374 0101 004 ***           | 0374 0401 *** **                         | optical fibre | -               | 10    | black                | 300     |
| PS-01* | 0374 0010 001 *** | 0374 0110 004 ***           | 0374 0410 *** **                         | 1 - 1,4       | 0,32            | 10    | brown                | 300     |
| PS-02* | 0374 0020 001 *** | 0374 0120 004 ***           | 0374 0420 *** **                         | 1,4 - 1,8     | 0,50            | 10    | grey                 | 300     |
| PS-03  | 0374 0030 001 *** | 0374 0130 004 ***           | 0374 0430 *** **                         | 1,9 - 2,6     | 0,75            | 10    | green                | 300     |
| PS-06  | 0374 0040 001 *** | 0374 0140 004 ***           | 0374 0440 *** **                         | 2,6 - 3,5     | 1 - 1,5         | 10    | red                  | 300     |
| PS-09  | 0374 0050 001 *** | 0374 0150 004 ***           | 0374 0450 *** **                         | 3,2 - 4,5     | 2,5             | 12    | blue                 | 300     |
| PS-12  | 0374 0060 001 *** | 0374 0160 004 ***           | 0374 0460 *** **                         | 4,5 - 6       | 4 - 6           | 12    | yellow               | 300     |
| PS-15  | 0374 0070 001 *** | 0374 0170 004 ***           | 0374 0470 *** **                         | 5,8 - 8,5     | 10 - 16         | -     | -                    | 50      |
| PS-17  | 0374 0080 001 *** | 0374 0180 004 ***           | 0374 0480 *** **                         | 8,5 - 11,5    | 25              | -     | -                    | 50      |
| PS-21  | 0374 0090 001 *** | 0374 0190 004 ***           | 0374 0490 *** **                         | 11 - 15,5     | 35              | -     | -                    | 50      |
| PS-24  | 0374 0100 001 *** | 0374 0200 004 ***           | 0374 0500 *** **                         | 15 - 19       | 50 - 75         | -     | -                    | 50      |

\* Markers L1 L2 L3 are not available for models PS-00, PS-01 and PS-02.

code colours

|  |  |  |  |  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|--|--|--|--|
|  |  |  |  |  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|--|--|--|--|

code markers

|                 |                    |                    |                   |
|-----------------|--------------------|--------------------|-------------------|
| A A 0374 **** A | 0 0 0374 **** 0    | / / 0374 **** /    | 0 0374 **** 0100  |
| B B 0374 **** B | 1 1 0374 **** 1    | ★ ★ 0374 **** *    | 1 0374 **** 0061  |
| C C 0374 **** C | 2 2 0374 **** 2    | ∩ ∩ 0374 **** ETO  | 2 0374 **** 0072  |
| D D 0374 **** D | 3 3 0374 **** 3    | △ △ 0374 **** TRI  | 3 0374 **** 0053  |
| E E 0374 **** E | 4 4 0374 **** 4    | ≡ ≡ 0374 **** CRE  | 4 0374 **** 0044  |
| F F 0374 **** F | 5 5 0374 **** 5    | . . 0374 **** .    | 5 0374 **** 0035  |
| G G 0374 **** G | 6. 6. 0374 **** 6  | ↑ ↑ 0374 **** FV   | 6. 0374 **** 0026 |
| H H 0374 **** H | 7 7 0374 **** 7    | → → 0374 **** FH   | 7 0374 **** 0087  |
| I I 0374 **** I | 8 8 0374 **** 8    | ≡ ≡ 0374 **** MAS  | 8 0374 **** 0138  |
| J J 0374 **** J | 9. 9. 0374 **** 9  | ⊥ ⊥ 0374 **** TER  | 9. 0374 **** 9    |
| K K 0374 **** K | L1 L1 0374 **** L1 | ⊕ ⊕ 0374 **** TEP  | + 0374 **** 007+  |
| L L 0374 **** L | L2 L2 0374 **** L2 | ~ ~ 0374 **** ALT  | - 0374 **** 002-  |
| M M 0374 **** M | L3 L3 0374 **** L3 | ∞ ∞ 0374 **** ALTB | 0374 **** 010     |
| N N 0374 **** N | + + 0374 **** +    | Ω Ω 0374 **** OHM  | 0374 **** 006     |
| O O 0374 **** O | - - 0374 **** -    | ρ ρ 0374 **** RHO  | 0374 **** 007     |
| P P 0374 **** P |                    | ∩ ∩ 0374 **** SC   | 0374 **** 005     |
| Q Q 0374 **** Q |                    | ; ; 0374 **** ;    | 0374 **** 004     |
| R R 0374 **** R |                    | : : 0374 **** :    | 0374 **** 003     |
| S S 0374 **** S |                    | = = 0374 **** =    | 0374 **** 002     |
| T T 0374 **** T |                    |                    | 0374 **** 008     |
| U U 0374 **** U |                    |                    | 0374 **** 013     |
| V V 0374 **** V |                    |                    | 0374 **** 001     |
| W W 0374 **** W |                    |                    | 0374 **** 015     |
| X X 0374 **** X |                    |                    | 0374 **** 098     |
| Y Y 0374 **** Y |                    |                    |                   |
| Z Z 0374 **** Z |                    |                    |                   |

\*\* Colours available only for PS-03 and PS-06.




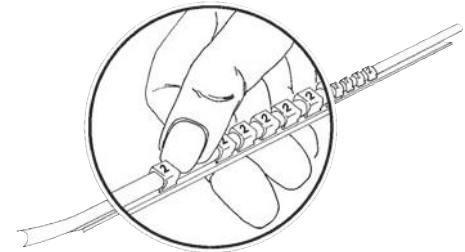


• Wands for PLIO SNAP+ markers

Particularly recommended for the location of cables on connector block, the PLIO SNAP+ markers can easily be placed on cables very close to another thanks to their assembly into the axis of the cable. PLIO SNAP+ markers can be put in position easily by placing the conductor in the flared end of the wand and the marker can then be pushed with the thumb on to the conductor.

The mounting wands have a base support so that they can be placed and will stay in a horizontal position and markings can therefore be easily identified.


| type   | artide number | colours of the wands | for markers |  wands |
|--------|---------------|----------------------|-------------|---|
| PST-00 | 0374 0005 010 | black                | PS-00       | 5   |
| PST-01 | 0374 0015 006 | brown                | PS-01       | 5   |
| PST-02 | 0374 0025 013 | grey                 | PS-02       | 5   |
| PST-03 | 0374 0035 003 | green                | PS-03       | 5   |
| PST-06 | 0374 0045 007 | red                  | PS-06       | 5   |
| PST-09 | 0374 0055 002 | blue                 | PS-09       | 5   |
| PST-12 | 0374 0065 004 | yellow               | PS-12       | 5   |
| PST-15 | 0374 0075 006 | brown                | PS-15       | 5   |
| PST-17 | 0374 0085 013 | grey                 | PS-17       | 5   |
| PST-21 | 0374 0095 013 | grey                 | PS-21       | 2   |
| PST-24 | 0374 0105 013 | grey                 | PS-24       | 2   |



• PLIO SNAP+ PSR marker carriers for the marking of large cables

There are two length of marker carriers available for the PS-03 markers, and one length for the PS-09 markers.

We recommend fixing markers with SES-QUICK cable ties width 2,4 and 2,6 mm type 100/25SL - 150/26SL - 200/26SL - 110/26SE (see pages C12/..).

| type      | artide number | for markers | markers per wand |  pces |
|-----------|---------------|-------------|------------------|--|
| PSR-03-8  | 0374 0710 010 | PS-03       | 8                | 100  |
| PSR-03-15 | 0374 0720 010 | PS-03       | 15               | 100  |
| PSR-09-15 | 0374 0730 010 | PS-09       | 15               | 100  |




• Box for PLIO SNAP+ markers

| type | artide number |  pce |
|------|---------------|---|
| PSE  | 0374 0800 000 | 1   |



• Board PLIO SNAP+

This board allows fast arranging of PLIO SNAP+ wands.


| type | artide number |  pce |
|------|---------------|---|
| PSV  | 0374 0814 000 | 1   |



• Preparation plate for PLIO SNAP+ wands

The preparation plate PSX allows the arranging of PLIO SNAP+ markers in any sequence for fast application direct to wire or pipe.

A similar system used with Pliograph<sup>plus</sup> combs.

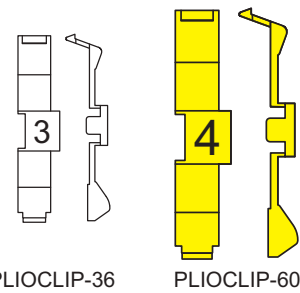
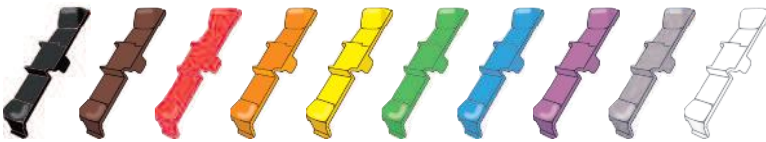
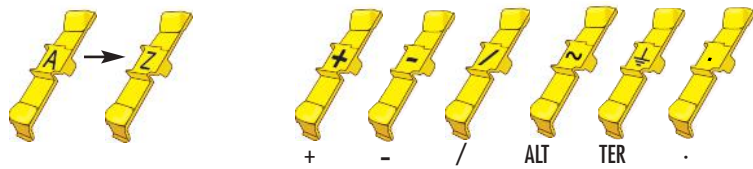
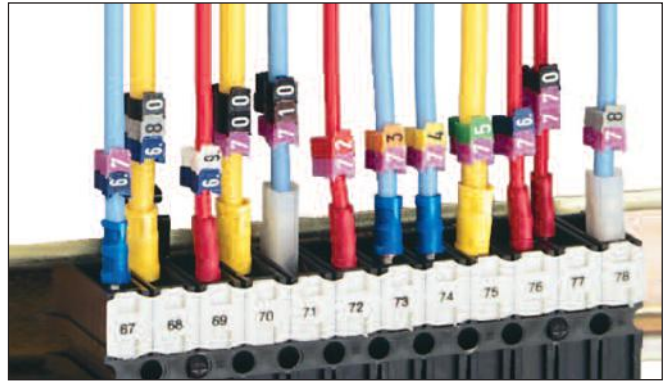
| type | artide number |  pce |
|------|---------------|---|
| PSX  | 0374 0805 000 | 1   |



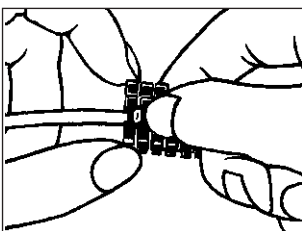


**PLIOCLIP**

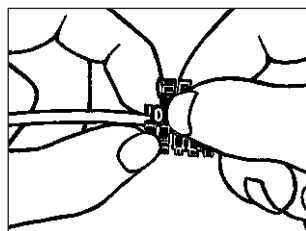
**Material:** Polyamide 6.6  
**Operating temperatures:** -30 to +100°C  
**Tensile strength at yield:** 65 N/mm<sup>2</sup>  
**Elongation at break:** 300 %  
**Elasticity:** 1300 N//mm<sup>2</sup>  
**Dielectric strength:** 26 kV/mm  
**Flame resistance:** V2 UL94  
**Applications:** marking of wires and cables of Ø 2,2 to 6 mm (sections 0,5 to 6 mm<sup>2</sup>) before or after connection.  
 This marking system is equipped with a security locking equivalent to that of a closed ring.



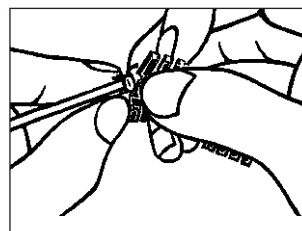
**For PLIOCLIP marking, proceed as follows:**



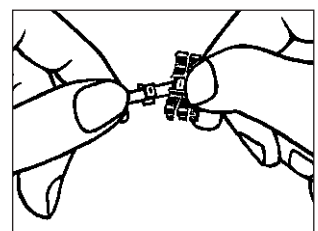
Take the whole strip to the cable.



Hold the strip with one hand. Turn the clip down with the thumb and the forefinger of the other hand to close it.



Pull the clip off the strip.



The PLIOCLIP is then in position - and the next marker can be applied.






Example for order:

| code group | detail article | code colour | code marker |
|------------|----------------|-------------|-------------|
| 0737       | 0XXXXXX        | XXXXX       | XXXXX       |

PLIOCLIP-36  07370013004TER

PLIOCLIP-60  073700220993

detail article

| type        | article number    |                   |               |                   | Ø mm      | mm <sup>2</sup> | markers /bag | figure markers /bag |
|-------------|-------------------|-------------------|---------------|-------------------|-----------|-----------------|--------------|---------------------|
|             | alphabetical      | figures CI        | colour        | symbole           |           |                 |              |                     |
| PLIOCLIP 36 | 0737 0011 004 *** | 0737 0012 099 *** | 0737 0014 *** | 0737 0013 004 *** | 2,2 - 3,6 | 0,5 - 2,5       | 224          | 512                 |
| PLIOCLIP 60 | 0737 0021 004 *** | 0737 0022 099 *** | 0737 0024 *** | 0737 0023 004 *** | 3,6 - 6   | 2,5 - 6         | 224          | 512                 |

code colours

|            |            |            |            |            |            |            |            |            |            |
|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| <b>010</b> | <b>006</b> | <b>007</b> | <b>005</b> | <b>004</b> | <b>003</b> | <b>002</b> | <b>008</b> | <b>013</b> | <b>001</b> |
| black      | brown      | red        | orange     | yellow     | green      | blue       | violet     | grey       | white      |

code markers

|                          |                          |                            |                          |                      |
|--------------------------|--------------------------|----------------------------|--------------------------|----------------------|
| <b>A</b> 0737 **** 004 A | <b>N</b> 0737 **** 004 N | <b>+</b> 0737 **** 004 +   | <b>0</b> 0737 **** 099 0 | <b>0737 **** 010</b> |
| <b>B</b> 0737 **** 004 B | <b>O</b> 0737 **** 004 O | <b>-</b> 0737 **** 004 -   | <b>1</b> 0737 **** 099 1 | <b>0737 **** 006</b> |
| <b>C</b> 0737 **** 004 C | <b>P</b> 0737 **** 004 P | <b>/</b> 0737 **** 004 /   | <b>2</b> 0737 **** 099 2 | <b>0737 **** 007</b> |
| <b>D</b> 0737 **** 004 D | <b>Q</b> 0737 **** 004 Q | <b>~</b> 0737 **** 004 ALT | <b>3</b> 0737 **** 099 3 | <b>0737 **** 005</b> |
| <b>E</b> 0737 **** 004 E | <b>R</b> 0737 **** 004 R | <b>⊥</b> 0737 **** 004 TER | <b>4</b> 0737 **** 099 4 | <b>0737 **** 004</b> |
| <b>F</b> 0737 **** 004 F | <b>S</b> 0737 **** 004 S | <b>.</b> 0737 **** 004 .   | <b>5</b> 0737 **** 099 5 | <b>0737 **** 003</b> |
| <b>G</b> 0737 **** 004 G | <b>T</b> 0737 **** 004 T |                            | <b>6</b> 0737 **** 099 6 | <b>0737 **** 002</b> |
| <b>H</b> 0737 **** 004 H | <b>U</b> 0737 **** 004 U |                            | <b>7</b> 0737 **** 099 7 | <b>0737 **** 008</b> |
| <b>I</b> 0737 **** 004 I | <b>V</b> 0737 **** 004 V |                            | <b>8</b> 0737 **** 099 8 | <b>0737 **** 013</b> |
| <b>J</b> 0737 **** 004 J | <b>W</b> 0737 **** 004 W |                            | <b>9</b> 0737 **** 099 9 | <b>0737 **** 001</b> |
| <b>K</b> 0737 **** 004 K | <b>X</b> 0737 **** 004 X |                            |                          |                      |
| <b>L</b> 0737 **** 004 L | <b>Y</b> 0737 **** 004 Y |                            |                          |                      |
| <b>M</b> 0737 **** 004 M | <b>Z</b> 0737 **** 004 Z |                            |                          |                      |





# B9

## Markers



KP2  
A1-A1bis-A

# Rubber markers



| Pages               | B9/1                        | B9/2                        | B9/3                        | B9/4                            |   |
|---------------------|-----------------------------|-----------------------------|-----------------------------|---------------------------------|---|
|                     | <b>HELAVIA-TWIN</b>         | <b>SILAVIA-TWIN</b>         | <b>PLIO</b>                 | <b>PLIOFINE B-EX</b>            | <b>PLIO-R</b>   |
| Profiles            |                             |                             |                             |                                 |   |
| Material            | polychloroprene rubber      | silicone rubber             | PVC                         | cross linked polyolefine        | PVC   |
| Temperatures of use | -30 to +90°C                | -80 to +200°C               | -20 to +90°C                | -55 to +135°C                   | -20 to +90°C  |
| Specification       | -                           | halogene free               | -                           | halogene free**                 | -   |
| For cables Ø        | 1,25 to 28 mm               | 1,3 to 25 mm                | 1 to 20 mm                  | 0,6 to 25,4 mm                  | 2 to 11 mm  |
| Standard colours*   | yellow                      | yellow                      | white, blue, yellow, red    | white, blue, green, yellow, red | white, blue, green, yellow, orange, red, brown, violet, black, grey |
| Printing            | alpha-numeric symbol / logo | alpha-numeric symbol / logo | alpha-numeric symbol / logo | alpha-numeric symbol / logo     | alpha-numeric symbol / logo   |
| Quantity of sides   | 1 or 2 sides                | 1 or 2 sides                | 1 or 2 sides                | 1 side                          | 1 side  |
| Quantity of lines   | 1 or several lines          | 1 or several lines          | 1 or several lines          | 1 or several lines              | 1 or several lines  |
| Printing direction  | axial or longitudinal       | axial or longitudinal       | axial or longitudinal       | axial or longitudinal           | axial or longitudinal   |

\* Other colours upon request.

\*\* Traces of halogene.

# HELAVIA-TWIN markers with special print and protective coating

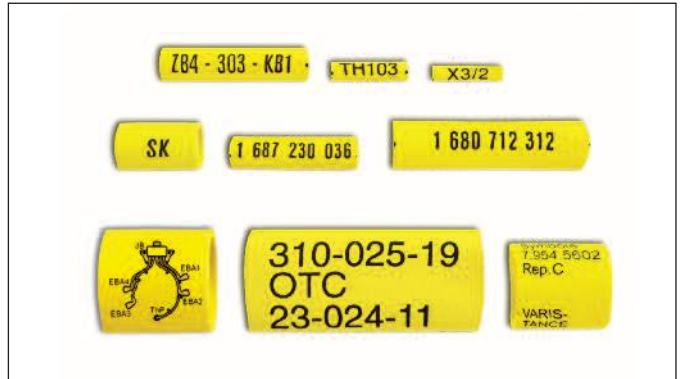


HELAVIA-TWIN



## HELAVIA-TWIN

|                                   |                                     |
|-----------------------------------|-------------------------------------|
| <b>Material:</b>                  | polychoprene rubber                 |
| <b>Standard colour:</b>           | yellow (other colours upon request) |
| <b>Operating temperatures:</b>    | -30 to +90°C                        |
| <b>Shore hardness A:</b>          | 40 ± 5                              |
| <b>Tensile strength at break:</b> | > 6,5 N/mm <sup>2</sup>             |
| <b>Ultimate elongation:</b>       | > 500 %                             |
| <b>Tear strength:</b>             | > 10 kN / m                         |
| <b>Dielectric strength:</b>       | > 13 kV / mm                        |
| <b>Resistance to light:</b>       | good                                |
| <b>to ozone:</b>                  | good                                |
| <b>Minimum available:</b>         | 250 pieces per type and print       |



- They allow a proper marking thanks to their thin wall adapted to the cable.
- Printed yellow sleeves are recommended : yellow is a colour that does not soil easily and it contrasts well with the black print.
- Marking is protected by a coating.
- HELAVIA-TWIN markers are printed upon request.  
Please consult our technical department for:
  - the printing (alphanumeric graphic characters),
  - the printing type (1 or 2 sides, 1 or several lines, axial or longitudinal),
  - the colour (if not yellow),
  - the markers length.
- Article number: **0351 0000 000**



D1/1-..



D1/1-02



# SILAVIA-TWIN markers with special print and protective coating

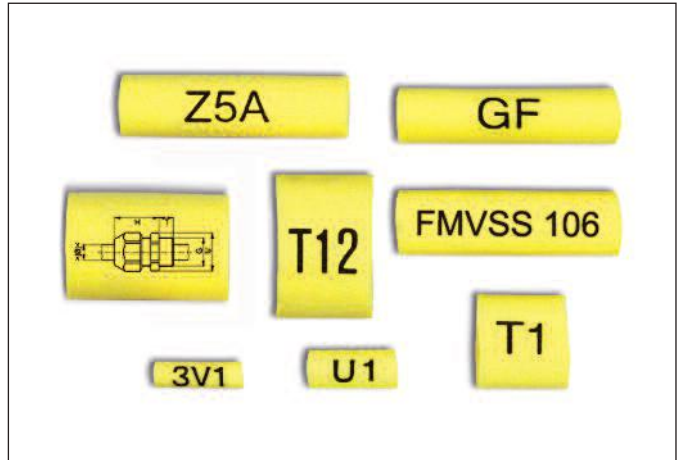


SILAVIA-TWIN



## SILAVIA-TWIN

|                                   |  |
|-----------------------------------|--|
| <b>Material:</b>                  | Silicone   |
| <b>Standard colour:</b>           | yellow (other colours upon request)  |
| <b>Operating temperatures:</b>    | -80 to +200°C  |
| <b>Shore hardness A:</b>          | 40 ± 5   |
| <b>Tensile strength at break:</b> | > 6,5 N/mm <sup>2</sup>  |
| <b>Ultimate elongation:</b>       | > 500 %  |
| <b>Tear strength:</b>             | > 20 kN / m  |
| <b>Dielectric strength:</b>       | 18 kV / mm   |
| <b>Resistance to light:</b>       | good   |
| <b>Resistance to ozone:</b>       | very good  |
| <b>Minimum available:</b>         | 250 pieces per type and print  |
| <b>Specifications:</b>            | excellent elasticity, rubber silicone is characterized by its heat resistance and its excellent resistance to ozone. |



- They allow a proper marking thanks to their thin wall adapted to the cable.
- Printed yellow sleeves are recommended : yellow is a colour that does not soil easily and it contrasts well with the black print.
- Marking is protected by a coating.
- SILAVIA-TWIN markers are printed upon request. Please consult our technical department for:
  - the printing (alphanumeric graphic characters),
  - the printing type (1 or 2 sides, 1 or several lines, axial or longitudinal),
  - the colour (if not yellow),
  - the markers length.
- Article number: **0358 0000 000**



D1/1-..

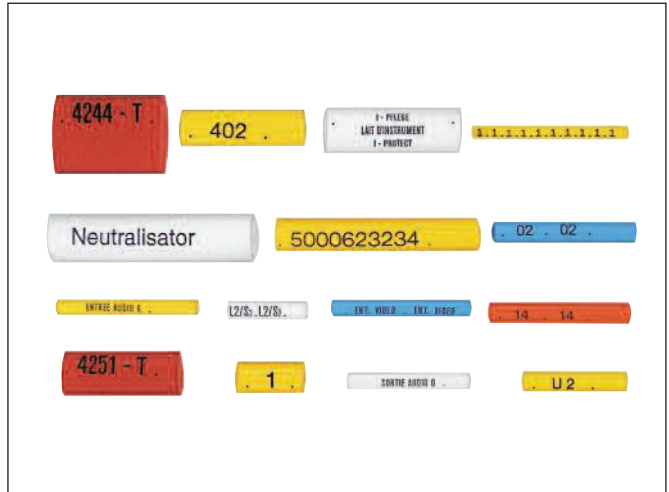


D1/1-02



**PLIO**

**Material:** PVC  
**Standard colours:** white (001) - blue (002)  
 yellow (004) - red (007)  
**Temperatures of use:** -20 to +90°C  
**Hardness Shore A :** 90 ±5  
**Tensile strength at break:** 20 N/mm<sup>2</sup>  
**Ultimate elongation:** 300%  
**Dielectric strength:** 20 kV/mm  
**Resistance to:**  
     **light:** good  
     **ozone:** good  
**Minimum available:** 250 pieces per type and print



Standard colours:




other colours upon request.

- They allow fast and aesthetic identification.
- Sleeves are applied by simply sliding on to the conductor and can be adhered to some insulations with PLIO-Colle if required.
- The printing process used ensures good marker resistance.
- PLIO sleeves (family 0353) are printed upon request.  
 Please consult our technical department and specify:
  - the size of the sleeve (internal Ø between 1 and 20 mm),
  - the length of the sleeve (maxi. 200 mm),
  - the printing (alpha-numeric or graphics),
  - the type of print (1 or 2 sides, 1 or several lines, radial or axial),
  - the colour.
- Article number: **0353 0000 000**

**• PLIO-Colle special adhesive for PLIO markers**

To fix PLIO markers on PVC insulated cables. PLIO glue contains flammable light solvents. Stored at temperatures below 25°C, it is inert. It dilutes with acetone. Caution: handle with gloves in a well-ventilated room and away from any flame or incandescent products.

| type       | article number |  |  |
|------------|----------------|---|--|
| PLIO-Colle | 0704 0001 000  | 1   | can of 0,25 l<br>with an application brush |





# Heat shrinkable markers

## special print

Technical properties: see pages A4



PLIOFINE B-EX  
PLIO-R



### PLIOFINE B-EX / PLIO-R

Shrink ratio 2/1 or 3/1

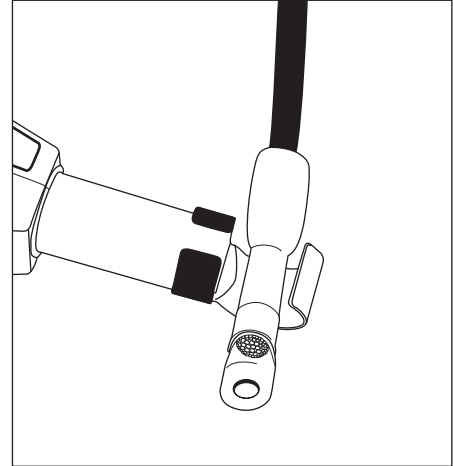
**Material:** cross linked Polyolefine or PVC  
**Printable sleeving:**  
Ø 1,6 to 32 mm before shrinking for cut sleeves  
Ø 3,2 to 12,7 mm before shrinking for pre-cut sleeves

**Print:** in 1 or several lines

**Minimum:** 100 identical sleeves

Print of non standard **signs, logos** and other **graphics:** extra charge depending on price list (0357 0904 000).

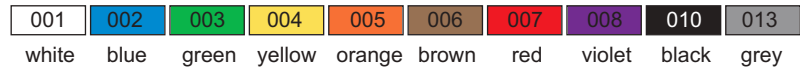
**Put into action** according to the price list (0357 9999 000)



#### Standard colours PLIOFINE B-EX:

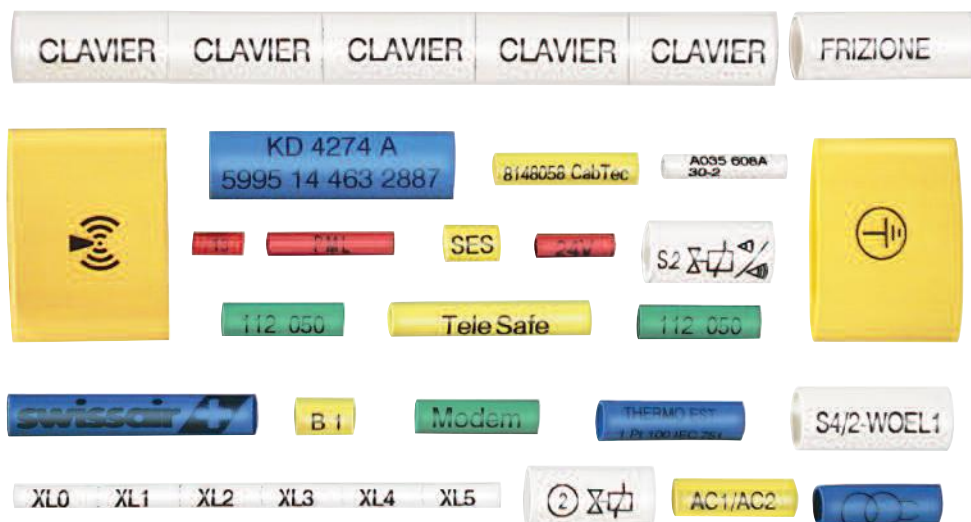


#### Standard colours PLIO-R:



### Characteristics

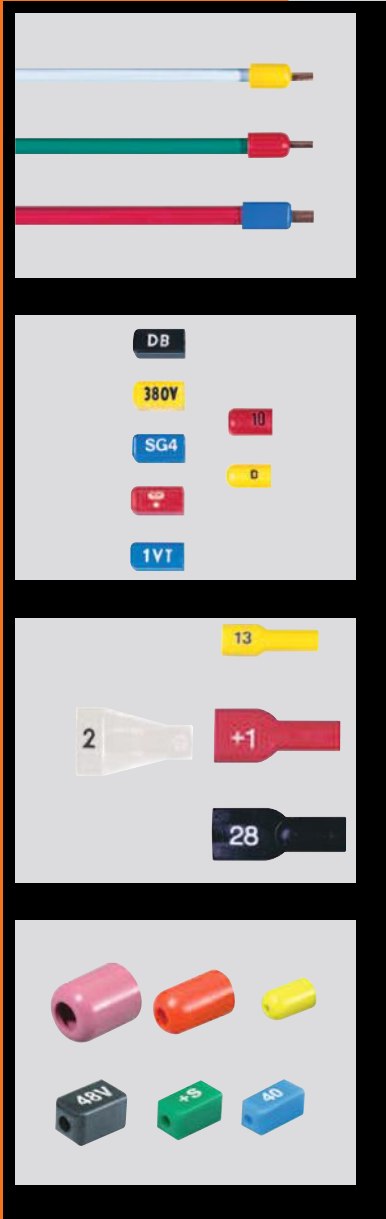
- Printed markers are manufactured of PLIOFINE B-EX and PLIO-R heat shrinkable sleeving and allow an aesthetic print. They are applied by simply sliding on to the conductor before shrinking.
- They are hot printed, radial or axial markings, in one or several lines, with letters, figures or graphics. Standard marker length range from 10 to 100 mm, cut or pre-cut.
- All markings over 100 sleeves per size, length, colour and print are possible.
- When no dimension is stated, the print height will be defined by our technical department.
- Article number: **0357 0000 000**





# B10

Various markers





|                     |   |  |
|---------------------|---|--|
| Pages               | B10/1   | B10/2  |
| Identification      | <b>Rigid insulating and identification markers</b>          | <b>Printed boots for standard crimp terminals</b>  |
|                     |   |  |
| Materials           | polystyrene choc  | flexible PVC   |
| Temperatures of use | -30 to +70°C  | -25 to +75°C   |
| Specification       | halogene free   | -  |
| For cables          | 2,5 to 16 mm <sup>2</sup>                                   | Ø 2,8 to 5 mm  |
| Standard colours    | white - blue - green - yellow<br>red - black - grey - lilac | white - blue - green - yellow<br>orange - brown - red - violet<br>black - transparent - grey - ivory |

# Rigid insulating and identification markers

## Cylindrical ER and square EC - unprinted



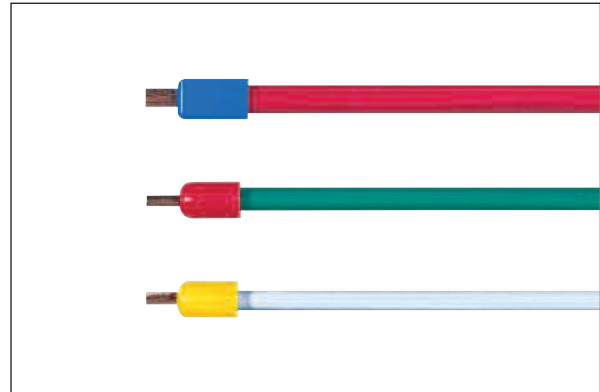
SES



### ER - EC

**Material:** high impact polystyrene  
**Operating temperatures:** -30 to +70°C  
**Elongation at break:** 45 %  
**Tensile strength at break:** 30 MPa

**Application:**  
 ER and EC markers allow insulation, wire end terminations and wire marking.




Example for order:

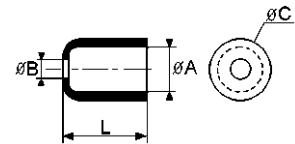
| code group | detail article | code colour |
|------------|----------------|-------------|
| 0126       | xxxxxx         | xxxx        |

Standard colours:


|       |      |       |        |     |       |      |       |
|-------|------|-------|--------|-----|-------|------|-------|
| 001   | 002  | 003   | 004    | 007 | 010   | 013  | 017   |
| white | blue | green | yellow | red | black | grey | lilac |

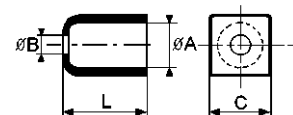
#### • Cylindrical unprinted ER markers

| type    | article number | for wire<br>mm <sup>2</sup> | dimensions (mm) |     |     | L  |  |
|---------|----------------|-----------------------------|-----------------|-----|-----|----|---|
|         |                |                             | Ø A             | Ø B | Ø C |    |   |
| ER - 38 | 0126 0001 ***  | 2,5                         | 3,8             | 2,2 | 5,3 | 10 | 500   |
| ER - 45 | 0126 0002 ***  | 4                           | 4,5             | 2,7 | 6   | 10 | 500   |
| ER - 48 | 0126 0003 ***  | 2,5                         | 4,8             | 2,2 | 6,3 | 10 | 500   |
| ER - 50 | 0126 0004 ***  | 4                           | 5               | 2,7 | 6,5 | 10 | 500   |
| ER - 51 | 0126 0005 ***  | 6                           | 5,1             | 3,3 | 6,6 | 10 | 500   |
| ER - 60 | 0126 0006 ***  | 6                           | 6               | 3,3 | 7,5 | 12 | 500   |
| ER - 65 | 0126 0007 ***  | 10                          | 6,5             | 4   | 8   | 12 | 500   |
| ER - 80 | 0126 0008 ***  | 16                          | 8               | 5   | 10  | 12 | 500   |
| ER - 95 | 0126 0009 ***  | 16                          | 9,5             | 6   | 12  | 14 | 500   |



#### • Square unprinted EC markers

| type    | article number | for wire<br>mm <sup>2</sup> | dimensions (mm) |     |     | L  |  |
|---------|----------------|-----------------------------|-----------------|-----|-----|----|---|
|         |                |                             | Ø A             | Ø B | Ø C |    |   |
| EC - 42 | 0126 0021 ***  | 2,5                         | 4,2             | 2,2 | 6   | 12 | 500   |
| EC - 52 | 0126 0022 ***  | 4                           | 5,1             | 2,7 | 7   | 12 | 500   |
| EC - 61 | 0126 0023 ***  | 6                           | 6               | 3,3 | 8   | 12 | 500   |



# Rigid insulating and identification markers

## Cylindrical ER and square EC - printed



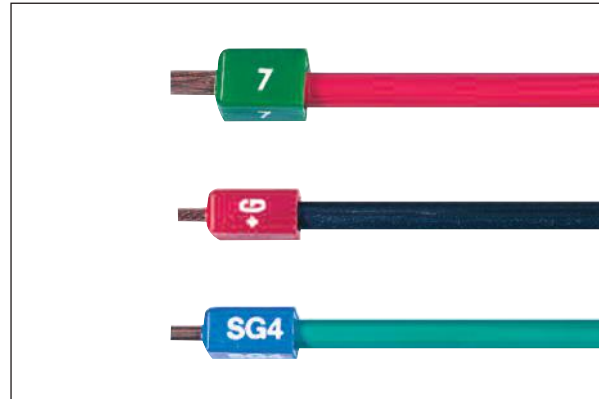
SES



### ER - EC

**Material:** high impact polystyrene  
**Operating temperatures:** -30 to +70°C  
**Elongation at break:** 45 %  
**Tensile strength at break:** 30 MPa

**Application:**  
 ER and EC markers allow insulation, wire end terminations and wire marking.  
 Print upon request: alphanumeric characters, symbols (please contact us).




Example for order:

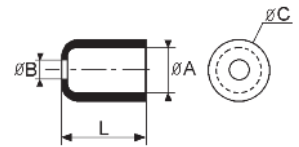
| code group | detail article | code colour |
|------------|----------------|-------------|
| 0356       | xxxxxx         | xxxx        |

Standard colours:


|       |      |       |        |     |       |      |       |
|-------|------|-------|--------|-----|-------|------|-------|
| 001   | 002  | 003   | 004    | 007 | 010   | 013  | 017   |
| white | blue | green | yellow | red | black | grey | lilac |

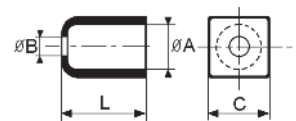
### • Cylindrical unprinted ER markers

| type        | article number |               | for wire mm <sup>2</sup> | dimensions (mm) |     |     | L  |  |
|-------------|----------------|---------------|--------------------------|-----------------|-----|-----|----|---|
|             | print 1 side   | print 2 sides |                          | Ø A             | Ø B | Ø C |    |   |
| ER - 38 imp | 0356 0011 ***  | 0356 0031 *** | 2,5                      | 3,8             | 2,2 | 5,3 | 10 | 250   |
| ER - 45 imp | 0356 0012 ***  | 0356 0032 *** | 4                        | 4,5             | 2,7 | 6   | 10 | 250   |
| ER - 48 imp | 0356 0013 ***  | 0356 0033 *** | 2,5                      | 4,8             | 2,2 | 6,3 | 10 | 250   |
| ER - 50 imp | 0356 0014 ***  | 0356 0034 *** | 4                        | 5               | 2,7 | 6,5 | 10 | 250   |
| ER - 51 imp | 0356 0015 ***  | 0356 0035 *** | 6                        | 5,1             | 3,3 | 6,6 | 10 | 250   |
| ER - 60 imp | 0356 0016 ***  | 0356 0036 *** | 6                        | 6               | 3,3 | 7,5 | 12 | 250   |
| ER - 65 imp | 0356 0017 ***  | 0356 0037 *** | 10                       | 6,5             | 4   | 8   | 12 | 250   |
| ER - 80 imp | 0356 0018 ***  | 0356 0038 *** | 16                       | 8               | 5   | 10  | 12 | 250   |
| ER - 95 imp | 0356 0019 ***  | 0356 0039 *** | 16                       | 9,5             | 6   | 12  | 14 | 250   |



### • Square EC markers printed on 4 sides

| type        | article number print 4 sides | for wire mm <sup>2</sup> | dimensions (mm) |     |   | L  |  |
|-------------|------------------------------|--------------------------|-----------------|-----|---|----|---|
|             |                              |                          | Ø A             | Ø B | C |    |   |
| EC - 42 imp | 0356 0051 ***                | 2,5                      | 4,2             | 2,2 | 6 | 12 | 250   |
| EC - 52 imp | 0356 0052 ***                | 4                        | 5,1             | 2,7 | 7 | 12 | 250   |
| EC - 61 imp | 0356 0053 ***                | 6                        | 6               | 3,3 | 8 | 12 | 250   |



# Printed boots for standard crimp terminals hot foil printed

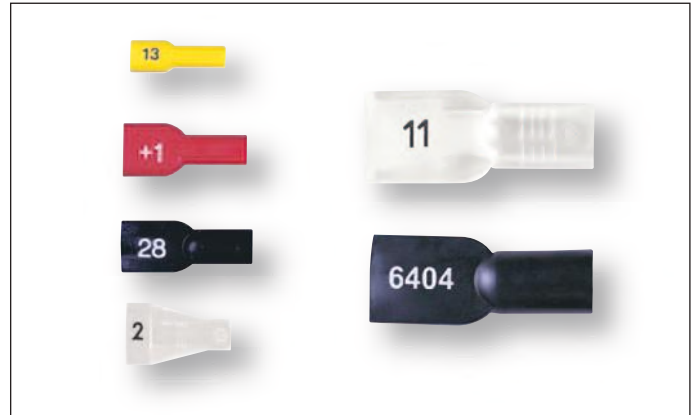


SES

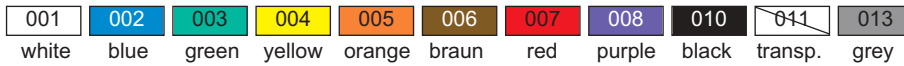


## Printed boots

**Material:** PVC  
**Operating temperatures:** -25 to +75°C  
**Hardness Shore A:** 70 ±5  
**Ultimate elongation:** 350%  
**Dielectric strength:** >20 kV/mm  
**Flame resistance:** HB UL94  
**Application:** for the insulation and the marking of crimp terminals.  
**Minimum quantity:** 250 pieces per type and print.  
 Printing on 1 side, 1 or 2 letters.



Standard colours:



Example for order:

| code group | detail article | code colour |
|------------|----------------|-------------|
| 0354       | 0xxx           | xxx         |

| type                                     | article number | for crimps  | cable ø mm | boot length mm |
|--|----------------|-------------|------------|----------------|
| <b>• Boots for female crimp terminal</b> |                |             |            |                |
| B - 3 PVC-IM                             | 0354 0016 ***  | 2,8         | 2,8        | 5,5            |
| B - 4 PVC-IM                             | 0354 0047 ***  | 4,8         | 3,2        | 7              |
| B - 5 PVC-IM                             | 0354 0013 ***  | 5 AMP®      | 4,5        | 8              |
| B - 6 PVC-IM                             | 0354 0011 ***  | 6,3         | 3,6        | 8              |
| BE - 6 PVC-IM                            | 0354 0015 ***  | 6,3 flagged | 3,6        | 13,7           |
| <b>• Boots for male crimp terminal</b>   |                |             |            |                |
| BW - 6 PVC-IM                            | 0354 0012 ***  | 6,3         | 3,6        | 5,5            |
| BF - 6 PVC-IM                            | 0354 0048 ***  | 6,3         | 3,6        | 11             |

Available upon request:  
 - Print on 2 sides,  
 - Print of 3 or 4 letters,  
 - Other quality (PE or PA),

Please ask our technical department.



A22/30 Technical drawings

D6/3-02 Clips

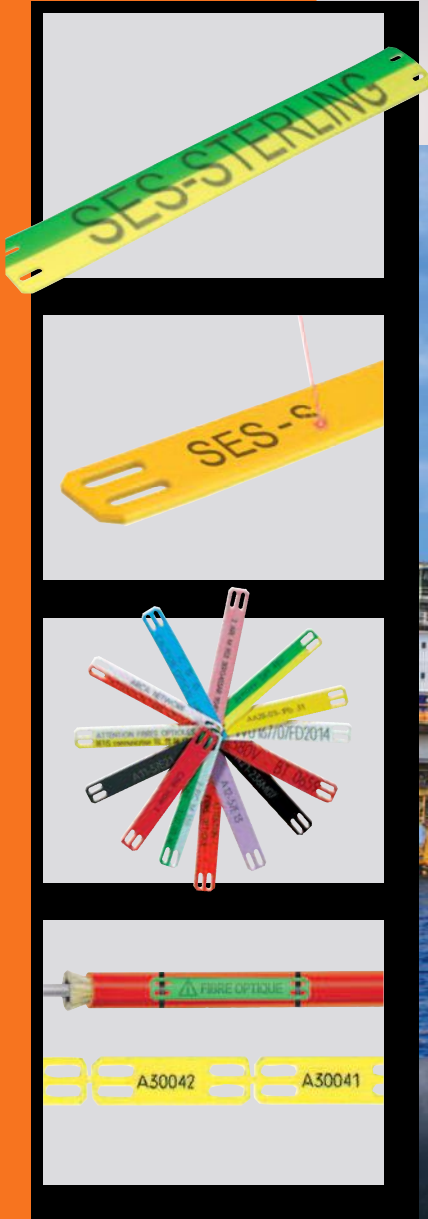






# B11

Printed carriers with  
indelible marking



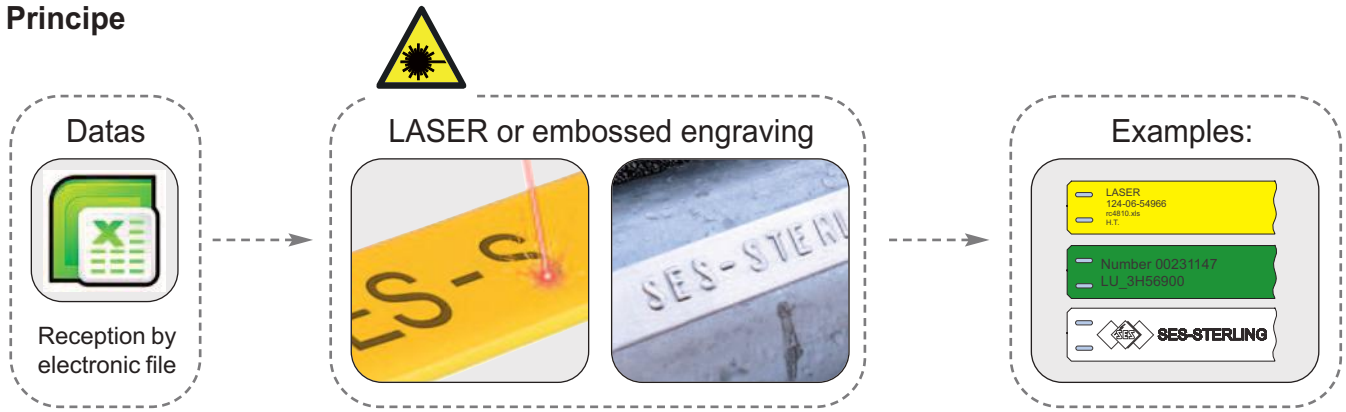
# PLIO CARRIERS

## laser or embossed marking

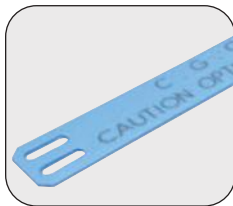


For the identification of cables in applications where unalterable marking the method ensures a laser marking quality, indelible and tamper-proof, resistant to abrasion, harsh environments and weather.

### • Principe



### • Carriers: material and widths



PVC  
width 12 mm



PVC  
width 25 mm



PP-HF  
width 12 mm

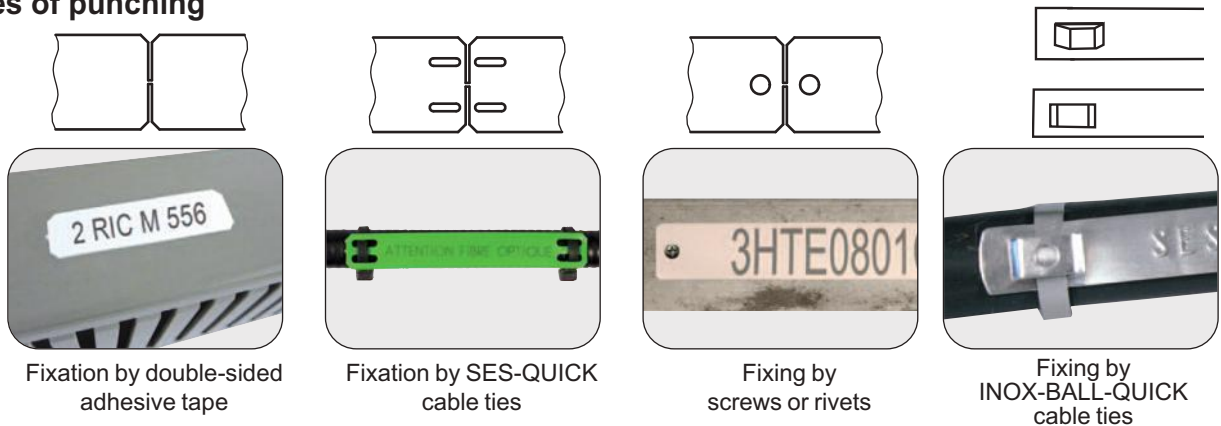


PP-HF  
width 25 mm

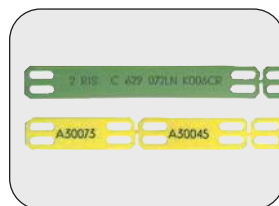


INOX  
several widths

### • Examples of punching



### • Packing



caterpillar  
pre-cut  
for carriers PVC and PP



pasted on  
cardboard



bulk

# PLIO PRINTED CARRIERS LASER

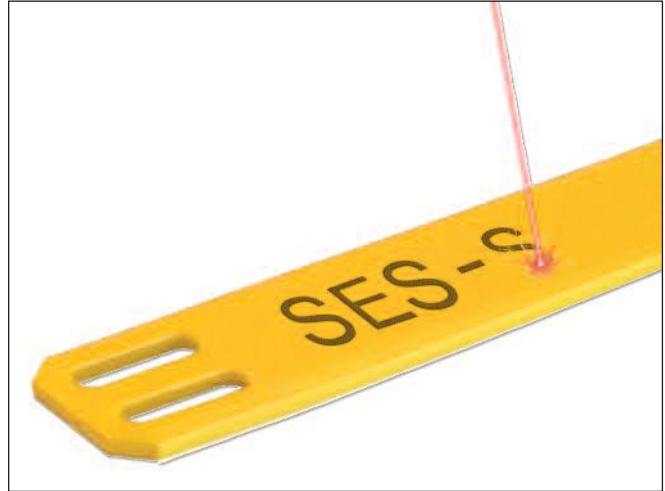


## PLIO CARRIERS

|                                |                               |                              |
|--------------------------------|-------------------------------|------------------------------|
| <b>Material:</b>               | <b>PVC</b><br>flame resistant | <b>PP</b><br>flame resistant |
| <b>Operating temperatures:</b> | -20 to +90°C                  | -20 to +90°C                 |
| <b>Specifications:</b>         | V0 UL94                       | V0 UL94<br>halogen free (HF) |

**Applications:** our carriers are designed to respond to the need for speed of application, retro-marking, larger diameter cables and other applications.

- Marking upon request.
- **Permanent** marking.
- Length of the carrier depends on text and its height.



### • Types of carriers

| type                   | artide number | material | width<br>mm |
|------------------------|---------------|----------|-------------|
| Carrier LASER PP 12 HF | 0380 0070 000 | PP       | 12          |
| Carrier LASER PP 25 HF | 0380 0080 000 | PP       | 25          |
| Carrier LASER PVC 12   | 0380 0001 000 | PVC      | 12          |
| Carrier LASER PVC 25   | 0380 0050 000 | PVC      | 25          |

Length of the carrier: 200 mm maxi.

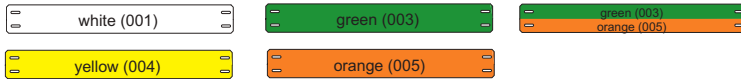


Print area: 140 mm max.

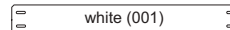
### • Standard colours

Other colours upon request.

#### LASER carriers PP 12 HF



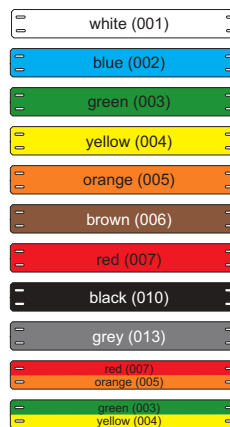
#### LASER carrier PP 25 HF



#### LASER carriers PVC 12

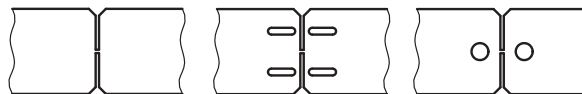


#### LASER carriers PVC 25



### • Punching

Other punching upon request.



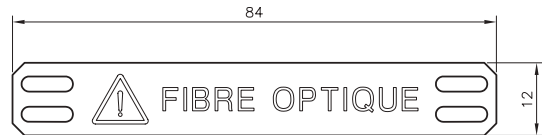
- **Packaging:** caterpillar, on adhesive cardboard or loose.


# PLIO PRINTED CARRIERS LASER



## PLIO CARRIERS

**Material:** flexible PVC (quality 9920)  
**Operating temperatures:** -20 to +90°C  
**Specifications:** V0 UL94



| type            | article number |  |
|-----------------|----------------|---|
| Carriers FO-FRA | 0380 0036 003  | 25  |
| Carriers FO-DEU | 0380 0037 003  | 25  |
| Carriers FO-ENG | 0380 0038 003  | 25  |





# Strips INOX laser engraved

## Personalised identification

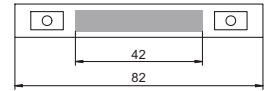
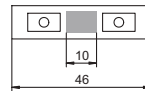


### INOX laser

- Material:** stainless steel 316
- Operating temperatures:** -80 to +500°C
- Specifications:** good resistance to acids and chemicals, not flammable, excellent resistance to aging, unchanging
- Application:** for identifying cables and tubes in extreme conditions, use in harsh environments, corrosive atmospheres or high level of fire resistance.
- Engraving from computer files.
  - Engraved identification, indelible, proof and permanent.

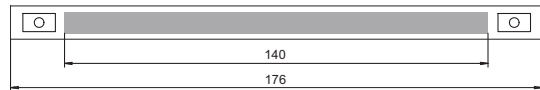
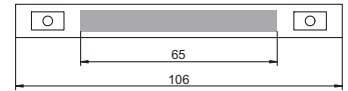
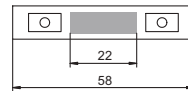


- **Characteristic:**
  - Alphanumeric legends, logos and drawing.
  - Lengths of the strips: 46, 58, 82, 106 and 176 mm.
  - Height of the strip: 10 mm, 14 mm.
  - Quantity of legends: depending on the size of characters.



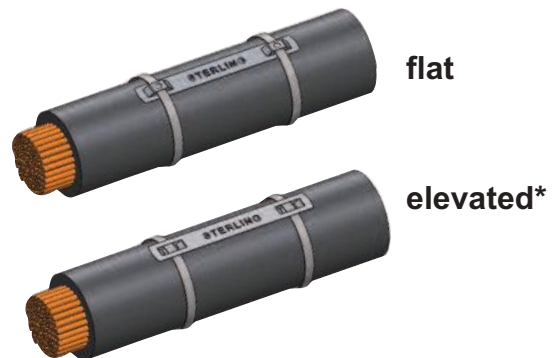
### • Type of strips

| type       | artide number |
|------------|---------------|
| INOX LASER | 0380 0225 000 |



- **Fixing system :** with our cable ties INOX-BALL-QUICK width 7,9 mm.

- **Packaging:**
  - on metallic cable ties
  - on adhesive sheet



Other requests, please consult us.

\* recommended in the food industry.



C13/30-01

C13/30-03

B11/2-02



# Strips INOX embossed

## Personalised identification in relief



### INOX embossed

- Material:** stainless steel 316
- Operating temperatures:** -80 to +500°C
- Specifications:** good resistance to acids and chemicals, not flammable, excellent resistance to aging, unchanging
- Application:** for identifying cables and tubes in extreme conditions, use in harsh environments, corrosive atmospheres or high level of fire resistance.
- Embossing from computer files.
  - Identification in relief indelible, proof and permanent.



- **Characteristic:**
  - Alphanumeric legends and symbols.
  - Lengths of the strips according to the text.
  - Height of the strip:
    - 10 mm for 1 line.
    - 14 mm for 2 lines.
  - Quantity of legends: from 1 to 25 legends (+ upon request) on 1 or 2 lines.
  - Size of the legends: 4,2 mm.

### • Type of strips

| type        | article number | quantity of lines | quantity legends/line |
|-------------|----------------|-------------------|-----------------------|
| 1L 1-15CAR  | 0380 0825 000  | 1                 | 1...15                |
| 1L 16-25CAR | 0380 0826 000  | 1                 | 16...25               |
| 2L 1-15CAR  | 0380 0827 000  | 2                 | 1...15                |
| 2L 16-25CAR | 0380 0828 000  | 2                 | 16...25               |

- **Fixing system :** with our cable ties INOX-BALL-QUICK width 7,9 mm.



flat



elevated\*

- **Packaging:**
  - on metallic cable ties
  - on adhesive sheet

Other requests, please consult us.

\* recommended in the food industry.



C13/30-01



C13/30-03



B11/2-01

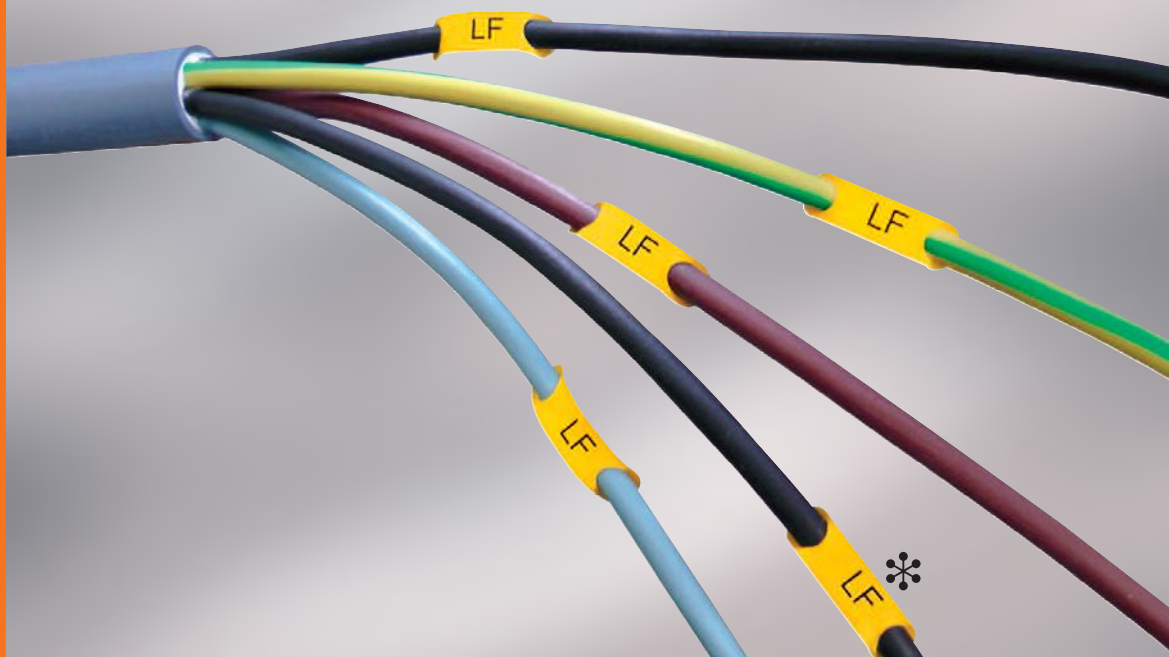
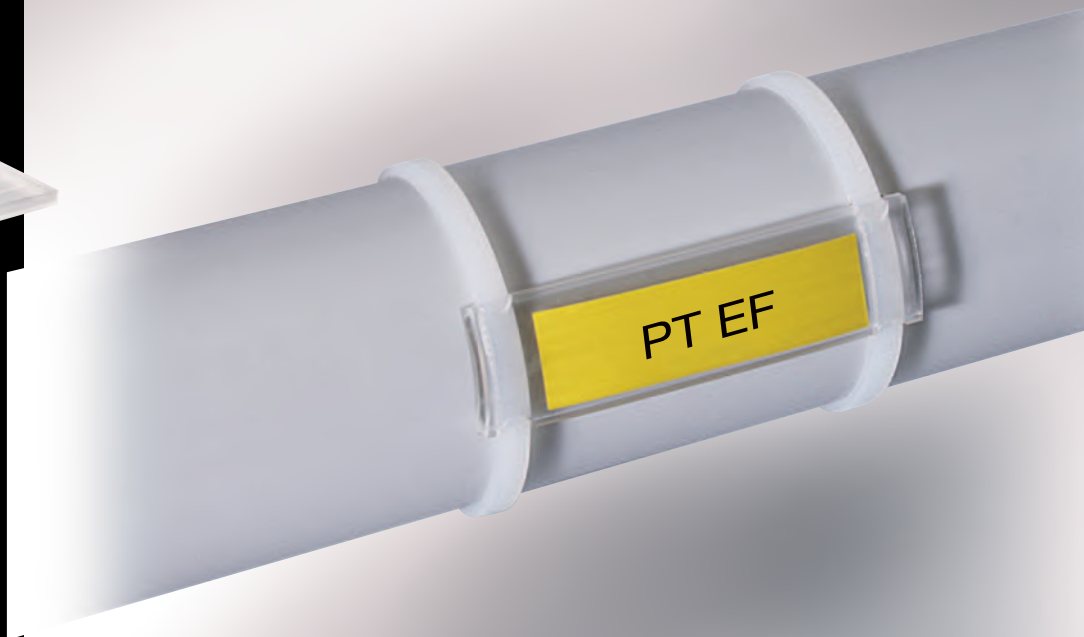
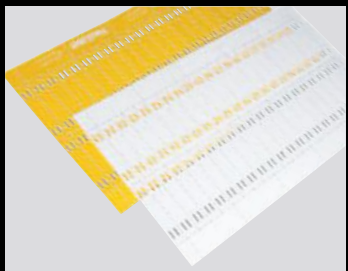






# B12

Label holders





• Product information:

|                       |       |       |                 |                 |                 |                 |                            |                  |
|-----------------------|-------|-------|-----------------|-----------------|-----------------|-----------------|----------------------------|------------------|
| page                  | B12/1 |       |                 |                 |                 | B12/2           | B12/4                      |                  |
| type                  | PT EF | PT EG | LFL 2H          | LFL             | LF              | SES-W<br>SES-WL | FB 109<br>FB 110<br>FB 112 | FB 201<br>FB 211 |
| colours of the labels | -     | -     | white<br>yellow | white<br>yellow | white<br>yellow | white           | white                      | white<br>yellow  |
|                       |       |       |                 |                 |                 |                 |                            |                  |

|                       |                  |                    |                  |                  |                   |
|-----------------------|------------------|--------------------|------------------|------------------|-------------------|
| page                  | B12/5            | B12/6              | B12/8            | B12/9            | B12/10            |
| type                  | SES<br>PROTECTOR | PLIO-15<br>PLIO-30 | PLIOMARK<br>MINI | PLIOMARK<br>MAXI | PLIOMARK<br>MINOX |
| colours of the labels | white            | white              | white<br>yellow  | yellow           | steel             |
|                       |                  |                    |                  |                  |                   |

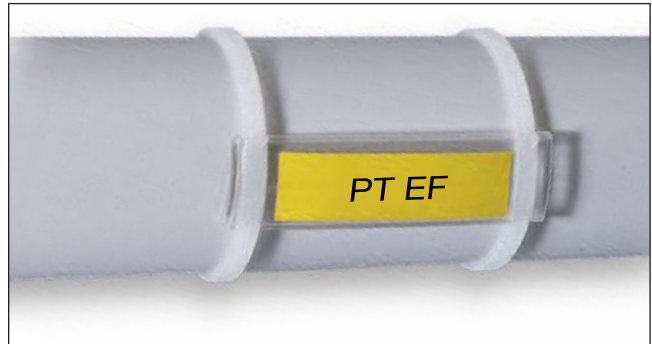


## Band PT E


**Material:** EVA  
**Colour:** transparent  
**Operating temperatures:** -20 to +65°C

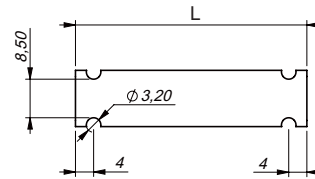
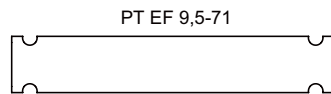
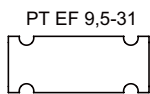
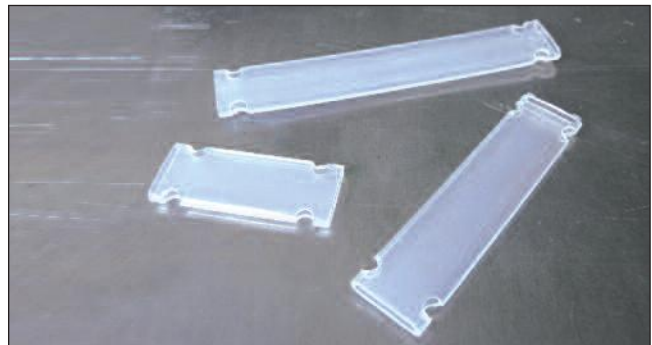
**Application:** punched transparent support band for large cables and tubes. The band punching can be held with our SES-QUICK cable ties width 2,6 mm.

The M1P-BAND10 band, printable with our PLIOSCRIB M1-PRO printer, the labels LFL 9,5, printable with a laser-printer, as well as the PLIOMARK MINI labels (only PT EF band) can be used with PT band for a clean and sustainable identifying.




### • Band PT EF - Punching at the ends

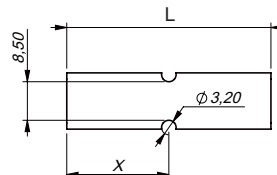
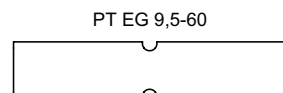
| type           | artide number | L<br>mm | useful length<br>mm | <br>pces |
|----------------|---------------|---------|---------------------|---|
| PT EF 9,5 - 31 | 0738 0136 011 | 31      | 20                  | 50  |
| PT EF 9,5 - 41 | 0738 0137 011 | 41      | 30                  | 50  |
| PT EF 9,5 - 51 | 0738 0138 011 | 51      | 40                  | 50  |
| PT EF 9,5 - 61 | 0738 0139 011 | 61      | 50                  | 50  |
| PT EF 9,5 - 71 | 0738 0140 011 | 71      | 60                  | 50  |



Available in special length. Consult us.

### • Band PT EG - Punching centered

| type           | artide number | L<br>mm | X<br>mm | <br>pces |
|----------------|---------------|---------|---------|---|
| PT EG 9,5-17,5 | 0738 0144 011 | 17,5    | 9       | 50  |
| PT EG 9,5-28   | 0738 0145 011 | 28      | 14,25   | 50  |
| PT EG 9,5-35   | 0738 0146 011 | 35      | 17,75   | 50  |
| PT EG 9,5-45   | 0738 0147 011 | 45      | 22,75   | 50  |
| PE EG 9,5-60   | 0738 0148 011 | 60      | 30,25   | 50  |



Available in special length. Consult us.



C12/1-01  
Cable ties SES-QUICK

B12/1-02  
Labels LFL

B12/8-01  
Labels  
PLIOMARK MINI

B13/21-01  
Band M1P-BAND10



\*Only for  
PT EF band

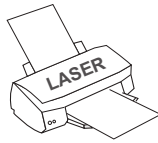


# Support band and identification labels LASER printable



## Labels LFL

**Material:** PET  
**Temperatures of use:** -40 to +125°C  
**Label thickness:** 0,195 mm  
**Standard colours:** white - yellow  
**Specifications:**



- printable on a LASER printer,
- double sided printing: 1 side colour white and 1 side colour yellow.



| type         | article number | printing surface mm | no. of carriers per sheet | pcs |
|--------------|----------------|---------------------|---------------------------|-----|
| LFL 9,5-17,5 | 0738 0420 000  | 9,5 x 17,5          | 319                       | 10  |
| LFL 9,5-28   | 0738 0421 000  | 9,5 x 28            | 203                       | 10  |
| LFL 9,5-35   | 0738 0422 000  | 9,5 x 35            | 145                       | 10  |
| LFL 9,5-196  | 0738 0423 000  | 9,5 x 196           | 29                        | 10  |
| LFL 19-50    | 0738 0424 000  | 19 x 50             | 56                        | 10  |
| LFL 19-100   | 0738 0425 000  | 19 x 100            | 28                        | 10  |

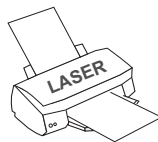
Use with our label holder or our support bands:  
 PT EF and PT EG      FB      PLIOMARK MINI and MAXI  
 B12/1-0                      B12/4-01                      B12/8 and B12/9

You can download the printing software PLIOMARK-PRINT for these labels on our web site: [www.ses-sterling.com](http://www.ses-sterling.com), choose **Products**, then **Software and Media**.



## Carriers LFL 2H

**Material:** PET  
**Temperature range:** -40 to +125°C  
**Label thickness:** 0,195 mm  
**Standard colours:** white - yellow  
**Specification:**



- printable on a LASER printer,
- double sided printing: 1 side colour white and 1 side colour yellow.



| type          | article number | printing surface mm | no. of carriers per sheet | pcs |
|---------------|----------------|---------------------|---------------------------|-----|
| LFL 2H 9,9-26 | 0738 0400 000  | 9,9 x 26            | 42                        | 10  |
| LFL 2H 9,9-66 | 0738 0401 000  | 9,9 x 66            | 56                        | 10  |



C12/1-01 - Max. width of the cable ties: 4,8 mm.





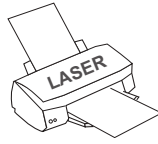
# Printable carriers and labels

## LASER printable



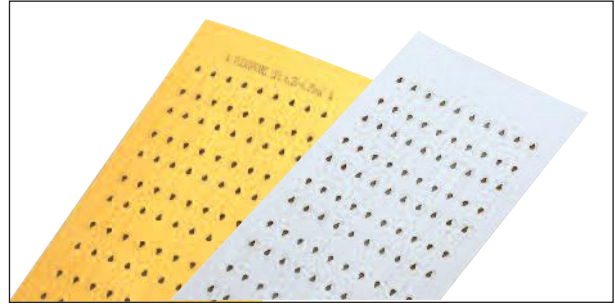
### Label LF

**Material:** PET  
**Temperature range:** -40 to +125°C  
**Label thickness:** 0,195 mm  
**Standard colours:** white - yellow

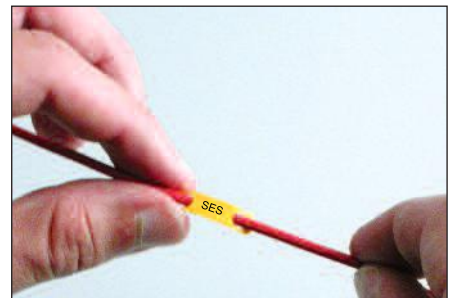
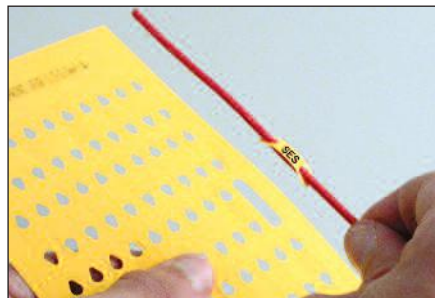
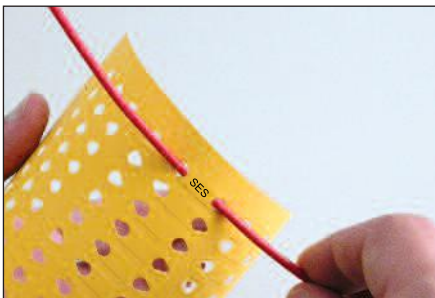


**Specification:**

- printable on a LASER printer.
- the model LF3D is printable on both sides: 1 side white and 1 side yellow.



| type  | article number |               | printing surface mm | for cable section mm <sup>2</sup> | no. of carriers per sheet | no. of carriers per sheet |
|-------|----------------|---------------|---------------------|-----------------------------------|---------------------------|---------------------------|
|       | white          | yellow        |                     |                                   |                           |                           |
| LF1   | 0738 0030 001  | 0738 0030 004 | 5,2 x 11            | 0,75 - 1,5                        | 60                        | 10                        |
| LF1L  | 0738 0031 001  | 0738 0031 004 | 5,2 x 22            | 0,75 - 1,5                        | 30                        | 10                        |
| LF1B  | 0738 0032 001  | 0738 0032 004 | 5,7 x 11            | 1,5 - 2,5                         | 60                        | 10                        |
| LF1BL | 0738 0033 001  | 0738 0033 004 | 5,7 x 22            | 1,5 - 2,5                         | 30                        | 10                        |
| LF2   | 0738 0034 001  | 0738 0034 004 | 7 x 11              | 2,5 - 6                           | 60                        | 10                        |
| LF3   | 0738 0035 001  | 0738 0035 004 | 11 x 17             | 6 - 16                            | 20                        | 10                        |
| LF3D  | 0738 0036 000  |               | 11 x 64             | 6 - 16                            | 32                        | 10                        |



You can download the printing software PLIOMARK-PRINT for these labels on our web site: [www.ses-sterling.com](http://www.ses-sterling.com), choose **Products**, then **Software and Media**.

# FB label holder with strapping and label sheet for pipes and cables



SES



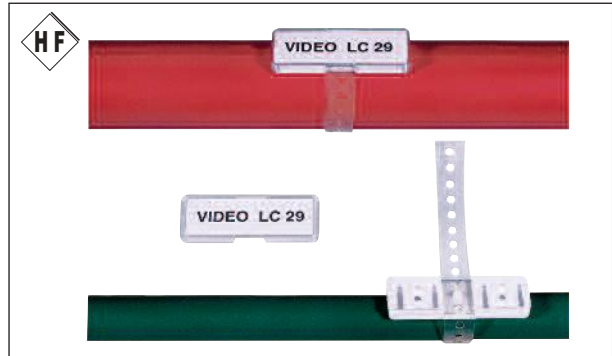
## FB 109 / FB 110 / FB 112 / FB 120

**Material:** support: white high impact polystyrene  
 cover: transparent polystyrene  
 labels: white cardboard (supplied)  
 perforated strapping: transparent flexible PVC

**Operating temperatures:** -20 to +60°C

**Application:** marking of pipes and cables (Ø minimum 8 mm).

(supplied with transparent perforated strapping).

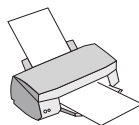


| type  | article number | ext. dimensions of the label holder (mm)<br>L x H x thickness | dimensions of the label (mm) | label holders + strapping |
|---|----------------|---|------------------------------|---------------------------|
| <b>Complete box (label holders + strapping)</b> |                |   |                              |                           |
| FB 109  | 0102 0003 000  | 39 x 11 x 5   | 36 x 9                       | 60 + 5 m strapping        |
| FB 110  | 0102 0001 000  | 52 x 12 x 5   | 49 x 10                      | 55 + 5 m strapping        |
| FB 112  | 0102 0002 000  | 52 x 18 x 5   | 49 x 16                      | 50 + 5 m strapping        |
| <b>Transparent perforated strapping</b>         |                |   |                              |                           |
| FB 120  | 0814 0001 011  | width: 10 mm  |                              | 2 x 50 m                  |



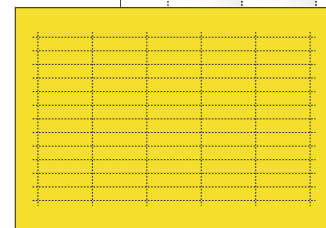
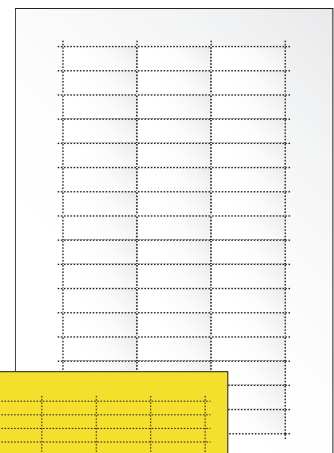
## FB 109 ET / FB 110 ET / FB 112 ET

**Material:** cardboard  
**Colours:** white - yellow  
**Thickness:** 0,2 mm  
**Weight:** 180 g/m<sup>2</sup>



**Applications:** the labels can be used in our FB-label holders after having been printed on a Laser or inkjet printer.

| type      | article number |               | dimensions of the label<br>mm | size of the sheet | quantity of labels / sheet |    |
|-----------|----------------|---------------|-------------------------------|-------------------|----------------------------|----|
|           | white<br>001   | yellow<br>004 |                               |                   |                            |    |
| FB 109 ET | 0102 0013 001  | 0102 0013 004 | 36 x 9                        | A5                | 60                         | 10 |
| FB 110 ET | 0102 0011 001  | 0102 0011 004 | 49 x 10                       | A4                | 78                         | 10 |
| FB 112 ET | 0102 0012 001  | 0102 0012 004 | 49 x 16                       | A4                | 48                         | 10 |



You can download the document template for these labels on our web site: [www.ses-sterling.com](http://www.ses-sterling.com), choose **Products**, then **Software and Media**.

- ➔ Various products can be used in these label holders:
- cardboard Labels for manual inscription;
  - precuted sheets of labels for laser or inkjet printer;
  - on the M1-Pro printable labels in polyester.

B13/21-01





# FB label holder and label sheet for pipes and cables



SES-FB



## FB 201 / FB 211

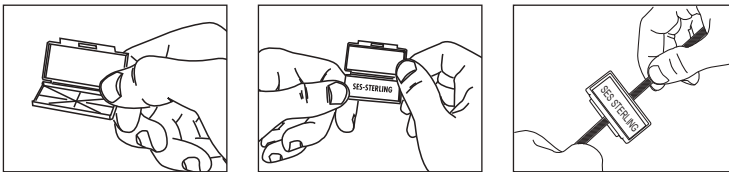
**Material:** support: transparent polypropylene  
labels: white cardboard (supplied)

**Operating temperatures:** -20 to +60°C

**Application:** marking of pipes and cables.  
The label holders are fixed with cable ties width 4,7 mm (see page C12/1-01).  
The installation of the cable ties prevents the opening of the label holders.

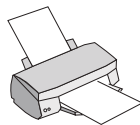


| type   | article number | ext. dimensions of the label holder (mm) |               | dimensions of the label (mm) | quantity |
|--------|----------------|--|---------------|------------------------------|----------|
|        |                | L  | H x thickness |                              |          |
| FB 201 | 0102 0004 000  | 34                                       | 11 x 4        | 30 x 6                       | 100      |
| FB 211 | 0102 0005 000  | 44                                       | 21 x 4        | 40 x 16,5                    | 50       |



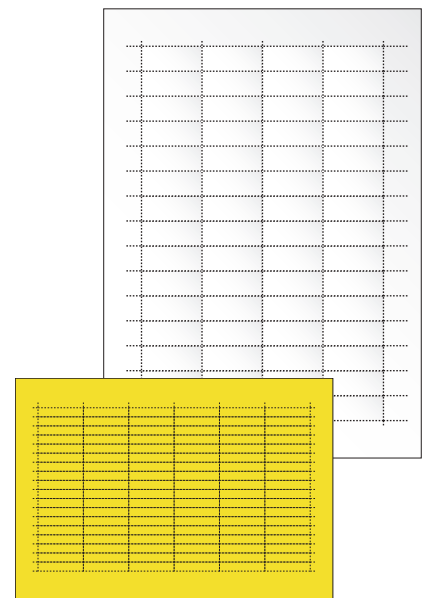
## FB 201 ET / FB 211 ET

**Material:** cardboard  
**Colours:** white - yellow  
**Thickness:** 0,2 mm  
**Weight:** 180 g/m<sup>2</sup>



**Applications:** the labels can be used in our FB-label holders after having been printed on a Laser or inkjet printer.

| type      | article number |               | dimensions of the label mm | size of the sheet | quantity of labels / sheet | quantity |
|-----------|----------------|---------------|----------------------------|-------------------|----------------------------|----------|
|           | white          | yellow        |                            |                   |                            |          |
| FB 201 ET | 0102 0014 001  | 0102 0014 004 | 30 x 6                     | A5                | 108                        | 10       |
| FB 211 ET | 0102 0015 001  | 0102 0015 004 | 40 x 16,5                  | A4                | 60                         | 10       |



You can download the document template for these labels on our web site: [www.ses-sterling.com](http://www.ses-sterling.com), choose **Products**, then **Software and Media**.

- ➔ Various products can be used in these label holders:
- white cardboard Labels for manual inscription;
  - precuted sheets of labels for laser or inkjet printer;
  - on the M1-Pro printable labels in polyester.

B13/21-01



# SES-PROTECTOR label holders for tubes and cables



SES-PROTECTOR



## SES-PROTECTOR

**Material:** support: white high impact polystyrene  
cover: transparent polystyrene  
labels: white cardboard (inclusive)

**Operating temperatures:** -30 to +80°C

**Applications:** the label holders are water proof, acids, alkalis, oils, gasolines resistant, and have a good behaviour to ageing, ozone, light, corrosion and friction.



### • Serie E - self-adhesive support and screw mounted

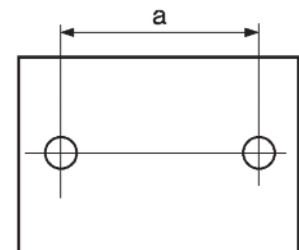
The adhesive makes assembly easier. It is advisable to permanently fix the label holder with the two screws provided, except for the E-1 model where only one screw is provided.

| type  | article number | label size mm | holder size mm | hole Ø (mm) | center dist. a (mm) | screw |    |
|-------|----------------|---------------|----------------|-------------|---------------------|-------|----|
| E - 1 | 0117 0001 001  | 11 x 8        | 13 x 9 x 4     | 3           | -                   | ST2,9 | 30 |
| E - 2 | 0117 0002 001  | 16 x 11       | 18 x 13 x 4    | 3           | 9                   | ST2,9 | 20 |
| E - 6 | 0117 0006 001  | 71 x 16       | 73 x 18 x 5    | 3           | 48                  | ST2,9 | 12 |



Bore-Ø in metal for screw ST2,9:

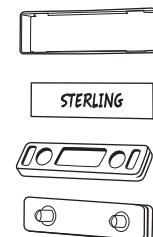
| metal thickness (mm) | Bore-Ø mm |
|----------------------|-----------|
| 0,4 - 0,5            | 1,9       |
| 0,6 - 1              | 2,1       |
| 1,2 - 1,5            | 2,5       |



### • Serie P self-fixing

Each box is equipped with templates.

| type  | article number | label size mm | holder size mm | ext. Ø feet mm | center dist. a (mm) | bore Ø metal mm |    |
|-------|----------------|---------------|----------------|----------------|---------------------|-----------------|----|
| P - 6 | 0117 0016 001  | 71 x 16       | 73 x 18 x 5    | 3,6            | 48                  | 3,5             | 16 |



# Label holders PLIO® Double sided adhesive tape PLIOBANDE



PLIO®



## PLIO-15 / PLIO-30

**Material:** base: rigid PVC grey (RAL 7030)  
lid: rigid PVC transparent  
label: white cardboard (included)


**Operating temperatures:** -5 to +65°C

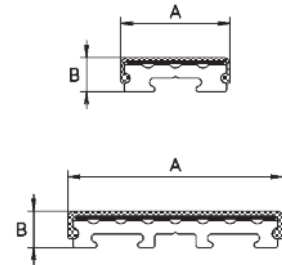
**Pack:** 20 profiles of 1 meter

**Application:** to mark cupboards, machines, switch boards etc.

The PLIO label holder can be screwed, glued (using hot melt type gun), temporarily held with double sided adhesive tape or with support SES on cable trunking SES (see page C3/6-01).



| type    | article number | length mm | width cover A (mm) | width label (mm) | height B (mm) |  |
|---------|----------------|-----------|--------------------|------------------|---------------|---|
| PLIO-15 | 0129 0010 000  | 1000      | 16                 | 14               | 5,3           | 20  |
| PLIO-30 | 0129 0020 000  | 1000      | 31,5               | 29               | 5,6           | 20  |



## PLIOBANDE

**Material:** support: special paper  
guide: silicone paper  
adhesive: modified acrylic


**Thickness:** +/- 0,12 mm

**Operating temperatures:** -40 to +120°C



**Applications:** to fix label holders PLIO-15 and PLIO-30. Tapes are available in widths 15, 19, 30 and 50 mm (see page C3/1-02).



| type  | article number | width mm |  m |
|-------|----------------|----------|---|
| RA 9  | 0650 0201 000  | 9        | 50  |
| RA 25 | 0650 0204 000  | 25       | 50  |

 C3/1-02





## PLIOMARK MINI

**Material:** labels: PVC, thickness 0,75 mm  
label holder: ABS  
transparent band: PE

**Operating temperatures:** -20 to +65°C

**Size of the label:** 9,5 x 6,4 mm

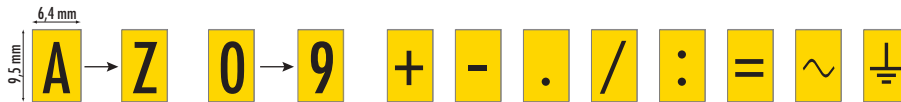
**Standard colours:** printed label: yellow (white upon request)  
unprinted label: yellow, white, red and blue

**Applications:**  
Marking of large cables, tubes, machines, racks, drawers, wall cupboards for the industry of various branches of industry.

Durable marking with very good legibility.

Marking system adaptable to all the needs: fixing by marker carrier or transparent band, with double sided adhesive tape, SES-QUICK cable ties or screw...

Special tool allowing the punching and cutting of the marker carrier and the support bands.

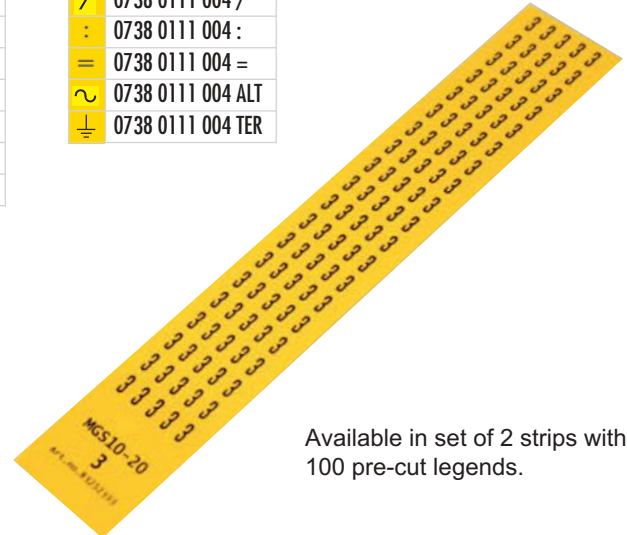


|   |                 |
|---|-----------------|
| A | 0738 0111 004 A |
| B | 0738 0111 004 B |
| C | 0738 0111 004 C |
| D | 0738 0111 004 D |
| E | 0738 0111 004 E |
| F | 0738 0111 004 F |
| G | 0738 0111 004 G |
| H | 0738 0111 004 H |
| I | 0738 0111 004 I |
| J | 0738 0111 004 J |
| K | 0738 0111 004 K |
| L | 0738 0111 004 L |
| M | 0738 0111 004 M |

|   |                 |
|---|-----------------|
| N | 0738 0111 004 N |
| O | 0738 0111 004 O |
| P | 0738 0111 004 P |
| Q | 0738 0111 004 Q |
| R | 0738 0111 004 R |
| S | 0738 0111 004 S |
| T | 0738 0111 004 T |
| U | 0738 0111 004 U |
| V | 0738 0111 004 V |
| W | 0738 0111 004 W |
| X | 0738 0111 004 X |
| Y | 0738 0111 004 Y |
| Z | 0738 0111 004 Z |

|   |                 |
|---|-----------------|
| 0 | 0738 0111 004 0 |
| 1 | 0738 0111 004 1 |
| 2 | 0738 0111 004 2 |
| 3 | 0738 0111 004 3 |
| 4 | 0738 0111 004 4 |
| 5 | 0738 0111 004 5 |
| 6 | 0738 0111 004 6 |
| 7 | 0738 0111 004 7 |
| 8 | 0738 0111 004 8 |
| 9 | 0738 0111 004 9 |

|   |                   |
|---|-------------------|
| + | 0738 0111 004 +   |
| - | 0738 0111 004 -   |
| . | 0738 0111 004 .   |
| / | 0738 0111 004 /   |
| : | 0738 0111 004 :   |
| = | 0738 0111 004 =   |
| ~ | 0738 0111 004 ALT |
| ⏏ | 0738 0111 004 TER |



Available in set of 2 strips with 100 pre-cut legends.

| type | art. no. | kit |
|------|----------|-----|
|------|----------|-----|

Kit of 2 strips with 100 pre-cut legends

|                    |                   |   |
|--------------------|-------------------|---|
| <b>MGS 10 - 20</b> | 0738 0111 004 *** | 1 |
|--------------------|-------------------|---|

Colour white upon request.

| type | art. no. | colour | length mm | kit |
|------|----------|--------|-----------|-----|
|------|----------|--------|-----------|-----|

### Unprinted pre-cut strips to complete the identification

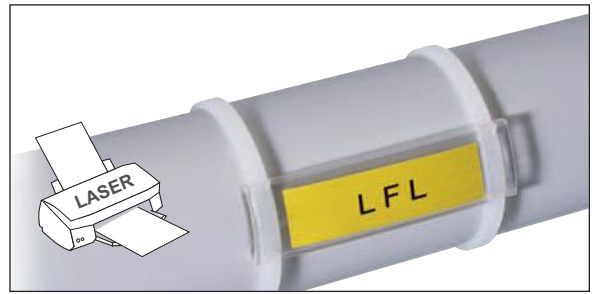
Kit of 2 strips with 100 pre-cut legends.

|                    |               |        |     |   |
|--------------------|---------------|--------|-----|---|
| <b>MGP 10 - 20</b> | 0738 0121 001 | white  | 6,4 | 1 |
| <b>MGP 10 - 20</b> | 0738 0121 004 | yellow | 6,4 | 1 |
| <b>MGP 10 - 20</b> | 0738 0121 002 | blue   | 6,4 | 1 |
| <b>MGP 10 - 20</b> | 0738 0121 007 | red    | 6,4 | 1 |





| type   | article number | printable area | quantity of labels / sheet | pcs |
|--|----------------|----------------|----------------------------|-----|
| <b>Labels for manual inscription or with laser printer</b> |                |                |                            |     |
| LFL 9,5-17,5   | 0738 0420 000  | 9,5 x 17,5     | 319                        | 10  |
| LFL 9,5-28   | 0738 0421 000  | 9,5 x 28       | 203                        | 10  |
| LFL 9,5-35   | 0738 0422 000  | 9,5 x 35       | 145                        | 10  |
| LFL 9,5-196  | 0738 0423 000  | 9,5 x 196      | 29                         | 10  |



**Transparent adhesive text holders MT and self adhesive label holder PGS**

|               |               |       |      |    |
|---------------|---------------|-------|------|----|
| MT 10 - 1000  | 0738 0165 000 | -     | 1000 | 10 |
| PGS 10 - 1000 | 0738 0162 010 | black | 1000 | 10 |
| PGS 10 - 1000 | 0738 0162 001 | white | 1000 | 10 |



**Transparent text holders**

• without adhesive

|                |               |   |      |    |
|----------------|---------------|---|------|----|
| PT E 10 - 285  | 0738 0131 011 | - | 285  | 10 |
| PT E 10 - 1000 | 0738 0134 011 | - | 1000 | 10 |



• with adhesive

|                 |               |   |      |    |
|-----------------|---------------|---|------|----|
| PT ES 10 - 285  | 0738 0132 011 | - | 285  | 10 |
| PT ES 10 - 1000 | 0738 0135 011 | - | 1000 | 10 |



**End cap for sealing holders**

|         |               |        |   |     |
|---------|---------------|--------|---|-----|
| FLG5242 | 0738 0151 000 | yellow | - | 100 |
|---------|---------------|--------|---|-----|



**Locking studs**

|         |               |         |   |     |
|---------|---------------|---------|---|-----|
| N° 2 PE | 0130 0002 018 | natural | - | 500 |
|---------|---------------|---------|---|-----|



**SES-QUICK cable ties**

for transparent text holders.

|             |               |         |   |     |
|-------------|---------------|---------|---|-----|
| 100/25 SL-C | 0186 0021 018 | natural | - | 100 |
| 150/26 SL-C | 0186 0023 018 | natural | - | 100 |
| 200/26 SL-C | 0186 0610 018 | natural | - | 100 |



C12/1-01  
Cable ties SES-QUICK

B1/7-01  
Marker EV-Permanent




# PLIOMARK MINI labels



| type                                 | article number |  pce |
|--------------------------------------|----------------|---|
| <b>Tool for punching and cutting</b> |                |   |
| <b>FL252047</b>                      | 0738 0903 000  | 1   |




## PLIOMARK MINI kit

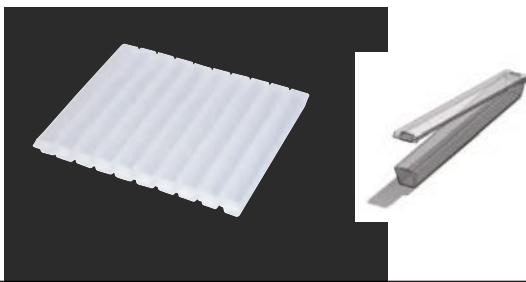
| type             | article number |  pce |  |
|------------------|----------------|---|--|
| <b>FL 5203 Y</b> | 0738 0101 000  | 1   | with yellow strips<br>(with white strips upon request) |


A complete marking system in carrying case which comprises:

| type  | article number |
|---|----------------|
| 50 boxes for text holder                      | 0738 0108 000  |
| 40 markers of every letter, figure and symbol | 0738 0111 xxxx |
| 40 unprinted markers                          | 0738 0121 xxx  |
| 1 text holders PGS 10-285 white               | -              |
| 1 text holders PGS 10-285 black               | -              |
| 8 transparent text holders PT E-10-285        | 0738 0131 011  |
| 100 cable ties 100/25 SL-C                    | 0186 0021 018  |
| 20 end caps FLG 5242                          | 0738 0151 000  |
| 20 locking studs N° 2 PE                      | 0130 0002 018  |
| 1 tool FL252047                               | 0738 0903 000  |



| type                                       | article number |  pce |
|--|----------------|---|
| <b>Empty case with foam and partitions</b> |                |   |
| <b>FL 5214 B-E</b>                         | 0738 0107 000  | 1   |
| <b>Transparent cases for text holders</b>  |                |   |
| <b>FL 5216 SC</b>                          | 0738 0108 000  | 10  |



 C12/1-01  
Cable ties SES-QUICK

B1/7-01  
Permanent pen EV-Permanent







**PLIOMARK MAXI**

**Material:** labels: PVC, thickness 0,75 mm  
label holder: ABS  
transparent band: PE

**Operating temperatures:** -20 to +65°C

**Size of the label:** 19 x 11,8 mm

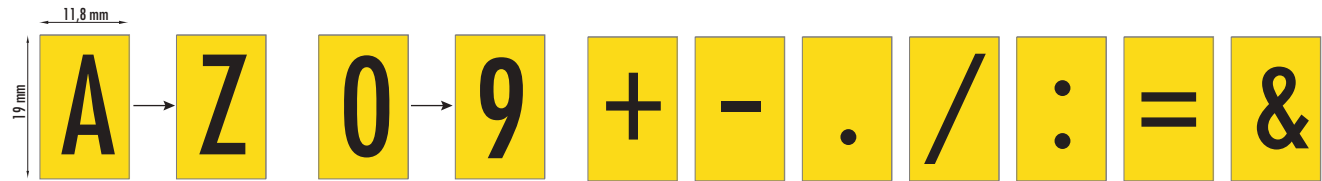
**Standard colours:** printed label: yellow, white  
unprinted label: yellow, white,  
red and blue

**Applications:**  
Marking of large cables, tubes, machines, racks, drawers, wall  
cupboards for the industry of various branches of industry.

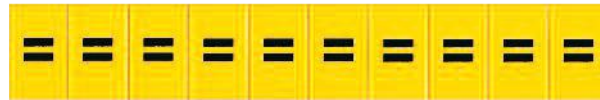
Durable marking with very good legibility.

Marking system adaptable to all the needs: fixing by marker  
carrier or transparent band, with double sided adhesive tape,  
SES-QUICK cable ties or screw...

Special tool allowing the punching and cutting of the marker  
carrier and the support bands.



Available in strips.  
Every strip comprises 10  
pre-cut PVC legends.



Example for order:

| code group | detail article | code colour | code legend |
|------------|----------------|-------------|-------------|
| 0738       | 0211           | 004         | x x x x     |

| code legend | code legend     | code legend | code legend     |
|-------------|-----------------|-------------|-----------------|
| A           | 0738 0211 004 A | N           | 0738 0211 004 N |
| B           | 0738 0211 004 B | O           | 0738 0211 004 O |
| C           | 0738 0211 004 C | P           | 0738 0211 004 P |
| D           | 0738 0211 004 D | Q           | 0738 0211 004 Q |
| E           | 0738 0211 004 E | R           | 0738 0211 004 R |
| F           | 0738 0211 004 F | S           | 0738 0211 004 S |
| G           | 0738 0211 004 G | T           | 0738 0211 004 T |
| H           | 0738 0211 004 H | U           | 0738 0211 004 U |
| I           | 0738 0211 004 I | V           | 0738 0211 004 V |
| J           | 0738 0211 004 J | W           | 0738 0211 004 W |
| K           | 0738 0211 004 K | X           | 0738 0211 004 X |
| L           | 0738 0211 004 L | Y           | 0738 0211 004 Y |
| M           | 0738 0211 004 M | Z           | 0738 0211 004 Z |
|             |                 | 0           | 0738 0211 004 0 |
|             |                 | 1           | 0738 0211 004 1 |
|             |                 | 2           | 0738 0211 004 2 |
|             |                 | 3           | 0738 0211 004 3 |
|             |                 | 4           | 0738 0211 004 4 |
|             |                 | 5           | 0738 0211 004 5 |
|             |                 | 6           | 0738 0211 004 6 |
|             |                 | 7           | 0738 0211 004 7 |
|             |                 | 8           | 0738 0211 004 8 |
|             |                 | 9           | 0738 0211 004 9 |
|             |                 | +           | 0738 0211 004 + |
|             |                 | -           | 0738 0211 004 - |
|             |                 | .           | 0738 0211 004 . |
|             |                 | /           | 0738 0211 004 / |
|             |                 | :           | 0738 0211 004 : |
|             |                 | =           | 0738 0211 004 = |
|             |                 | &           | 0738 0211 004 & |

| type | article number | colour | pcs |
|------|----------------|--------|-----|
|------|----------------|--------|-----|

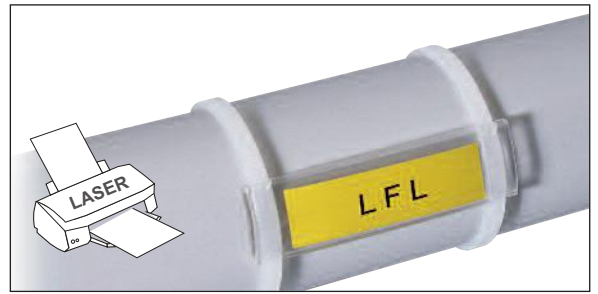
Printed strip (20 pre-cut legends)

|             |                   |        |    |
|-------------|-------------------|--------|----|
| MGS 19 - 10 | 0738 0211 004 *** | yellow | 10 |
|-------------|-------------------|--------|----|





| type   | article number | colour       | length mm | quantity of labels / sheet | pcs |
|--|----------------|--------------|-----------|----------------------------|-----|
| <b>Labels for manual inscription or with laser printer</b> |                |              |           |                            |     |
| LFL 19-50  | 0738 0424 000  | yellow/white | 50        | 56                         | 10  |
| LFL 19-100   | 0738 0425 000  | yellow/white | 100       | 28                         | 10  |



| type  | article number | colour | length mm | pcs |
|---|----------------|--------|-----------|-----|
| <b>Unprinted strips for interspacing</b>      |                |        |           |     |
| Every strip comprises 10 pre-cut PVC legends. |                |        |           |     |
| MGP 19 - 10                                   | 0738 0221 001  | white  | 11,8      | 10  |
| MGP 19 - 10                                   | 0738 0221 004  | yellow | 11,8      | 10  |
| MGP 19 - 10                                   | 0738 0221 002  | blue   | 11,8      | 10  |
| MGP 19 - 10                                   | 0738 0221 007  | red    | 11,8      | 10  |



| <b>Adhesive text holders</b> |               |       |      |    |
|------------------------------|---------------|-------|------|----|
| PGS 19 - 285                 | 0738 0235 010 | black | 285  | 10 |
| PGS 19 - 285                 | 0738 0235 001 | white | 285  | 10 |
| PGS 19 - 1000                | 0738 0236 010 | black | 1000 | 10 |
| PGS 19 - 1000                | 0738 0236 001 | white | 1000 | 10 |



| <b>Transparent text holders</b> |               |   |     |    |
|---------------------------------|---------------|---|-----|----|
| • without adhesive              |               |   |     |    |
|                                 |               |   |     |    |
| PT 19 - 285                     | 0738 0231 000 | - | 285 | 10 |



| <b>Locking stud</b> |               |         |   |     |
|---------------------|---------------|---------|---|-----|
| N° 2 PE             | 0130 0002 018 | natural | - | 500 |



| <b>SES-QUICK cable tie</b>    |               |         |   |     |
|-------------------------------|---------------|---------|---|-----|
| for transparent text holders. |               |         |   |     |
| 100/25 SL-C                   | 0186 0021 018 | natural | - | 100 |
| 150/26 SL-C                   | 0186 0023 018 | natural | - | 100 |
| 200/26 SL-C                   | 0186 0610 018 | natural | - | 100 |



C12/1-01  
Cable ties SES-QUICK

B1/7-01  
Marker EV-Permanent

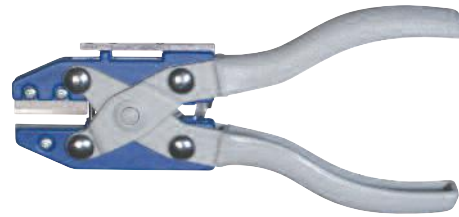




| type | article number |  pce |
|------|----------------|---|
|------|----------------|---|

**Tool** for punching and cutting text holders

|          |               |   |
|----------|---------------|---|
| FL252024 | 0738 0902 000 | 1 |
|----------|---------------|---|



**PLIOMARK MAXI kit**

| type | article number | colour |  pce |
|------|----------------|--------|---|
|------|----------------|--------|---|

|                                   |               |                    |   |
|-----------------------------------|---------------|--------------------|---|
| <b>Complete case</b><br>FL 5210 G | 0738 0201 000 | with yellow strips | 1 |
|-----------------------------------|---------------|--------------------|---|



The complete case contains an selection as follows:

- 2 strips (20 characters) of every letter, figure and symbol
- 5 self adhesive text holder white PGS 19-285
- 5 text holder transparent PT 19-285
- 80 cable ties of different length
- 40 locking studs N° 2 PE
- 1 tool FL252024
- 1 Nylon medium tip pen with black indelible ink



|                                |               |   |
|--------------------------------|---------------|---|
| <b>Empty case</b><br>FL 5210 E | 0738 0205 000 | 1 |
|--------------------------------|---------------|---|





**PLIOMARK MINOX**

**Material:** stainless steel 316  
**Size of the legends:** 9,5 x 6 mm  
**Operating temperatures:** -80 to +500°C  
**Flame resistance:** non flammable  
**U.V.-rays resistance:** good to excellent

**Application:**  
 Marking of an installation and its components, cables, pipes, tubes, wire, etc... in hostile and corrosive environment. Marking system adaptable to all the needs: fixing by small rule-supports, bars or band of fixing.  
 Particularly used in chemical industry, petrochemical, on the offshore platforms, shipyards, in the industry of the mining sectors, etc...



Available in strips.  
 Every strip comprises 20 pre-cut PVC legends.



Example for order:

| code group | detail article | code colour | code legend |
|------------|----------------|-------------|-------------|
| 0738       | 0311           | 000         | x:x:x       |

| code legend       | code legend       | code legend       | code legend         |
|-------------------|-------------------|-------------------|---------------------|
| A 0738 0311 000 A | N 0738 0311 000 N | 0 0738 0311 000 0 | + 0738 0311 000 +   |
| B 0738 0311 000 B | O 0738 0311 000 O | 1 0738 0311 000 1 | - 0738 0311 000 -   |
| C 0738 0311 000 C | P 0738 0311 000 P | 2 0738 0311 000 2 | . 0738 0311 000 .   |
| D 0738 0311 000 D | Q 0738 0311 000 Q | 3 0738 0311 000 3 | / 0738 0311 000 /   |
| E 0738 0311 000 E | R 0738 0311 000 R | 4 0738 0311 000 4 | : 0738 0311 000 :   |
| F 0738 0311 000 F | S 0738 0311 000 S | 5 0738 0311 000 5 | = 0738 0311 000 =   |
| G 0738 0311 000 G | T 0738 0311 000 T | 6 0738 0311 000 6 | , 0738 0311 000 ,   |
| H 0738 0311 000 H | U 0738 0311 000 U | 7 0738 0311 000 7 | ~ 0738 0311 000 ALT |
| I 0738 0311 000 I | V 0738 0311 000 V | 8 0738 0311 000 8 | ⊥ 0738 0311 000 TER |
| J 0738 0311 000 J | W 0738 0311 000 W | 9 0738 0311 000 9 |                     |
| K 0738 0311 000 K | X 0738 0311 000 X |                   |                     |
| L 0738 0311 000 L | Y 0738 0311 000 Y |                   |                     |
| M 0738 0311 000 M | Z 0738 0311 000 Z |                   |                     |

| type | article number | img | pce |
|------|----------------|-----|-----|
|------|----------------|-----|-----|

**Strips with embossed legends (20 pre-cut legends)**

|            |                   |   |
|------------|-------------------|---|
| MR 10 - 20 | 0738 0311 000 *** | 1 |
|------------|-------------------|---|




**Unprinted legends for spacing (pre-cut legends)**


|             |               |   |
|-------------|---------------|---|
| MRP 10 - 20 | 0738 0321 000 | 1 |
|-------------|---------------|---|





| type  | article number | length<br>mm | <br>pces |
|---|----------------|--------------|---|
| <b>Perforated carrier rails in stainless steel</b><br>fixing with screw . |                |              |   |
| PR 10 - M24   | 0738 0345 000  | 286          | 1   |
| PR 10 - M9  | 0738 0346 000  | 106          | 1   |
| PR 10 - M7  | 0738 0347 000  | 82           | 1   |
| PR 10 - M5  | 0738 0348 000  | 58           | 1   |
| PR 10 - M4  | 0738 0349 000  | 46           | 1   |



| type   | article number | length<br>mm | <br>pces |
|--|----------------|--------------|---|
| <b>Plain carrier rails in stainless steel</b><br>fixing with INOX cable ties |                |              |   |
| PR 10 - NM24   | 0738 0350 000  | 286          | 1   |
| PR 10 - NM11   | 0738 0355 000  | 176          | 1   |
| PR 10 - NM9  | 0738 0351 000  | 106          | 1   |
| PR 10 - NM7  | 0738 0352 000  | 82           | 1   |
| PR 10 - NM5  | 0738 0353 000  | 58           | 1   |
| PR 10 - NM4  | 0738 0354 000  | 46           | 1   |



**INOX cable tie for PR10-NM carrier rail**  
see page C13/30-01



**PLIOMARK MINOX case**

| type                 | article number | <br>pce |
|----------------------|----------------|---|
| <b>Complete case</b> |                |   |
| FLR KI               | 0738 0302 000  | 1   |

The case has a full assortment according detail:

| type  | article number |
|---|----------------|
| 50 boxes for text holders                       | 0738 0108 000  |
| 2 strips MR10-20 each marking                   | 0738 0311 000  |
| 5 text holders PR10-NM24                        | 0738 0350 000  |
| 5 text holders PR10-NM9                         | 0738 0351 000  |
| 5 text holders PR10-NM7                         | 0738 0352 000  |
| 5 text holders PR10-NM5                         | 0738 0353 000  |
| 5 text holders PR10-NM4                         | 0738 0354 000  |
| 5 text holders PR10-M24                         | 0738 0345 000  |
| 5 text holders PR10-M9                          | 0738 0346 000  |
| 5 text holders PR10-M7                          | 0738 0347 000  |
| 5 text holders PR10-M5                          | 0738 0348 000  |
| 5 text holders PR10-M4                          | 0738 0349 000  |
| 10 cable ties INOX for text holders 200/46 N316 | 0187 0021 000  |

| type                                       | article number | <br>pce |
|--|----------------|--|
| <b>Empty case with foam and partitions</b> |                |  |
| FL 5214 B-E                                | 0738 0107 000  | 1  |
| <b>Transparent boxes for label holders</b> |                |  |
| FL 5216 SC                                 | 0738 0108 000  | 10   |



 B11/2

C13/30-01

C13/30-03







# B13

Printing devices








SES-STERLING proposes various units for marking of cables, tubes and sleeving for industry, aeronautics, telecommunications....

|                  |  |   |
|------------------|--|---|
| <p>B13/1-01</p>  | <p><b>SES-LOEPFE HZ-2</b></p> <p>Mobile hot printing unit for the building sites of wiring, the difficult places of access (electrical equipment box...), for the marking of the connected cables...</p> | <p>The SES-LOEPFE units function on the principle of hot marking, with the use of a ribbon transfer: the heated wheels coming into contact with the transfer ribbon deposit the impression on the surface of the cable.</p> <p>This process is appropriate, according to the type of ribbon, for the marking of cables and PVC pipes, PE, polyester or rubber. For other types, if you send us a cable sample, we can suggest the ribbon type, please consult us.</p> |
| <p>B13/2-01</p>  | <p><b>SES-LOEPFE TP</b></p> <p>Electropneumatic bench printing unit for marking in series cables, up to 15 characters.</p>   | <p>According to the marking to be made, the user can choose the quantity and the type of the characters, as well as the position of each wheel thanks to the spacers (= blank wheel), being able to slot itself between the printing wheels.</p>  |
| <p>B13/5-01</p>  | <p><b>SES-PREMO</b></p> <p>Cold printing press</p>   | <p>Designed for the marking of CH-M plates for the identification of cables, conduits and posts, both in outdoor and underground, particularly in the field of telecommunications.</p>  |
| <p>B13/21-01</p> | <p><b>SES-PLIOSCRIB M-1Pro</b></p> <p>Thermal transfer label printer.</p>  | <p>Tube, profil and label printer: marking all electrical installations, tubes and cables, labelling.</p>   |

## HZ-2

**Activation:** manual  
**Cable diameter:** cable Ø 1,5 to 25 mm maxi.  
**Print height:** 1,5 to 2,3 mm up to max.  
 10 wheels  
**Pack:** 1 complet without wheel  
**Application:** mobile hot printing unit for wiring assembly points, difficult places of access (electrical equipment box...), for marking of connected cables...  
**Only sold in France.**



| type  | article number |  |
|---|----------------|---|
| <b>HZ-2 unit</b><br>with transformer,<br>printing wheel holder and<br>selector  | 0605 1001 000  | 1   |
| <b>Spacer ring</b><br><br>if the number of printing wheels<br>is lower than 10. | 0605 1005 000  | 1   |

### • Printing wheels

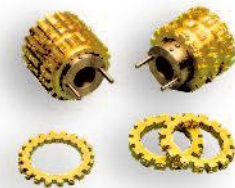
Article number according to the height and the type.

| code group  | detail article | code colour |
|-------------|----------------|-------------|
| 060511xx000 |                |             |

- Type 1: A-Z
- Type 2: 0-9 . / - + A-M
- Type 3: 0-9 . / - + N-Z
- Type 4: 0-9 . / - +


0 for a height of 1,5 mm  
 1 for a height of 1,6 mm  
 2 for a height of 1,7 mm  
 3 for a height of 1,8 mm  
 4 for a height of 2 mm  
 5 for a height of 2,1 mm  
 6 for a height of 2,3 mm  
 7 for a height of 1,6 mm (vertical print)

1 for type 1  
 2 for type 2  
 3 for type 3  
 4 for type 4



### • Printing foil (width 25 mm - length 60 m)

The printing foil type depends on the quality of the cable:

| type                   | article number | black | white | blue | green | yellow | brown | red | quality of the cable to print                            |  |
|------------------------|----------------|-------|-------|------|-------|--------|-------|-----|--|--|
|                        |                | 010   | 001   | 002  | 003   | 004    | 006   | 007 |  |  |
| <b>Standard ribbon</b> | 0605 1500 ***  | X     | X     | X    | X     | X      | X     | X   | PVC, PS, ABS, PP, PE, SAN                                | 1  |
| <b>Ribbon 700K</b>     | 0605 1501 ***  | X     | X     | X    |       | X      |       | X   | PVC, PS, ABS, PP, PE, SAN<br>resistance against abrasion | 1  |
| <b>Ribbon 4K</b>       | 0605 1502 ***  | X     | X     |      |       |        |       |     | PE, PP, PVC, TEFLON<br>good resistance                   | 1  |
| <b>Ribbon 44</b>       | 0605 1503 ***  | X     | X     |      |       |        |       |     | PE, PP, PVC  | 1  |

Other types of ribbon possible: please consult us.

Wheels with specific composition or height of characters up to 4 mm are available as a special. Please consult our engineering department.

Example for order:

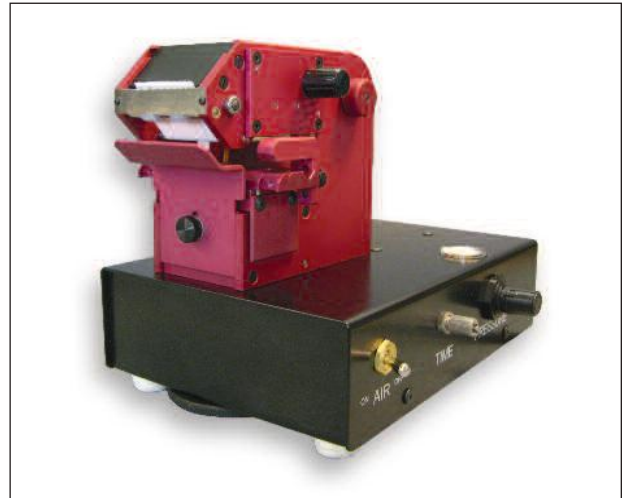
| code group | detail article | code colour |
|------------|----------------|-------------|
| 06051xxx   |                |             |




## TP15 / TP10

|                                    | TP15   | TP10               |
|------------------------------------|--|--------------------|
| <b>Cable diameter:</b>             | cable Ø 1 to 7 mm  | cable Ø 8 to 12 mm |
| <b>Print height:</b>               | 1,2 to 2,3 mm  | 2,5 to 4 mm        |
| <b>Quantity of printed wheels:</b> | 15 wheels maxi.  | 10 wheels maxi.    |
| <b>Activation:</b>                 | by pneumatic pedal with delay and pressure regulation.<br>Pressure: 7 bar.                               |                    |
| <b>Specification:</b>              | bench hot printing unit for small and medium series, providing a legible, durable and resistant marking. |                    |

**Only sold in France.**

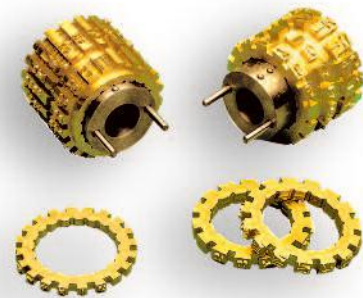


• **Hot printing unit** with transformer and pneumatic pedal

| type | article number |  |
|------|----------------|---|
| TP15 | 0605 0085 000  | 1   |
| TP10 | 0605 0086 000  | 1   |

• **Printing wheel**

| number of characters | unit TP15<br>print height |                           | unit TP10<br>print height |
|----------------------|---------------------------|---------------------------|---------------------------|
|                      | 1,2 to 1,5 mm<br>art. no. | 1,6 to 2,3 mm<br>art. no. | 2,5 to 4 mm<br>art. no.   |
| 1                    | 0605 1175 000             | 0605 1195 000             | 0605 1215 000             |
| 2                    | 0605 1176 000             | 0605 1196 000             | 0605 1216 000             |
| 3                    | 0605 1177 000             | 0605 1197 000             | 0605 1217 000             |
| 4                    | 0605 1178 000             | 0605 1198 000             | 0605 1218 000             |
| 5                    | 0605 1179 000             | 0605 1199 000             | 0605 1219 000             |
| 6                    | 0605 1180 000             | 0605 1200 000             | 0605 1220 000             |
| 7                    | 0605 1181 000             | 0605 1201 000             | 0605 1221 000             |
| 8                    | 0605 1182 000             | 0605 1202 000             | 0605 1222 000             |
| 9                    | 0605 1183 000             | 0605 1203 000             | 0605 1223 000             |
| 10                   | 0605 1184 000             | 0605 1204 000             | 0605 1224 000             |
| 11                   | 0605 1185 000             | 0605 1205 000             | 0605 1225 000             |
| 12                   | 0605 1186 000             | 0605 1206 000             | 0605 1226 000             |
| 13                   | 0605 1187 000             | 0605 1207 000             | 0605 1227 000             |
| 14                   | 0605 1188 000             | 0605 1208 000             | 0605 1228 000             |
| 15                   | 0605 1189 000             | 0605 1209 000             | 0605 1229 000             |
| 16                   | 0605 1190 000             | 0605 1210 000             | -                         |
| 17                   | 0605 1191 000             | 0605 1211 000             | -                         |
| 18                   | 0605 1192 000             | 0605 1212 000             | -                         |
| 19                   | 0605 1193 000             | 0605 1213 000             | -                         |
| 20                   | 0605 1194 000             | 0605 1214 000             | -                         |





### • Printing foil

Width: 39 mm - Length: 60 m.

From 10 000 to 20 000 printings/foil according to text.

Example for order:

| code group |   | detail article |   |   | code colour |   |   |   |   |   |
|------------|---|----------------|---|---|-------------|---|---|---|---|---|
| 0          | 6 | 0              | 5 | 0 | x           | x | x | x | x | x |

| type                 | article number | 010   | 001   | 002  | 003   | 004    | 006   | 007 | quality of the cable to print                         |   |
|----------------------|----------------|-------|-------|------|-------|--------|-------|-----|---|---|
|                      |                | black | white | blue | green | yellow | brown | red |   |   |
| <b>Standard foil</b> | 0605 1510 ***  | X     | X     | X    | X     | X      | X     | X   | PVC, PS, ABS, PP, PE, SAN                             | 1 |
| <b>Foil 700K</b>     | 0605 1511 ***  | X     | X     | X    | X     | X      |       | X   | PVC, PS, ABS, PP, PE, SAN<br>high abrasion resistance | 1 |
| <b>Foil 44</b>       | 0605 1512 ***  | X     | X     | X    |       |        |       | X   | PE, PP, PVC   | 1 |
| <b>Foil 77</b>       | 0605 1513 ***  | X     | X     | X    |       | X      |       |     | PE, PP, PVC, smooth surface                           | 1 |



Other possible foil types: please consult us.

### • Accessories

| type  | article number |   |
|---|----------------|---|
| <b>Spacer ring *</b>                            | 0605 0370 000  | 1 |
| <b>Kit pressure regulator and grease filter</b> | 0605 0435 000  | 1 |

\* if the number of printing wheels is less than 15 for TP15 and 10 for TP10.

# Cold printing press SES-PREMO for the identification of cables, conduits and posts



SES-PREMO

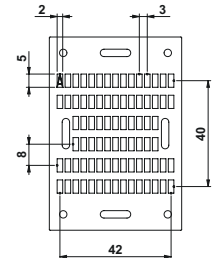
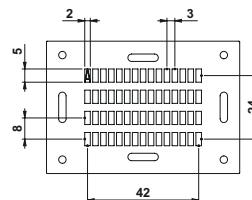
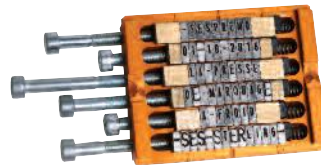
## SES-PREMO

**Dimension of the press :** 207,5 x 152 x 140 mm  
**Weight:** 4,480 kg

**Application:** Designed for the marking of CH-M plates for the identification of cables, conduits and posts, both in outdoor and underground, particularly in the field of telecommunications.



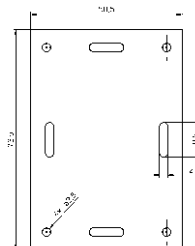
| type                                | art. no.          | Composition  | art. no.   |
|-------------------------------------|-------------------|--|--|
| <b>Complete kit<br/>SES-PREMO</b>   | 0417 0113 000     | - Case<br>- Press<br>- Die holder<br>- 2 Boxes for composition<br>- 4 set dies A à Z<br>- 12 set dies 0 à 9<br>- 5 blind dies<br>- 15 special caracteres | 0417 0130 000<br>0417 0111 000<br>0417 0112 000<br>0417 0120 000<br>0417 0040 000 A-Z<br>0417 0041 000 0-9<br>0417 0060 000 ES<br>0417 0060 000 SP |
| <b>Conversion Kit<br/>SES-PREMO</b> | 0417 0114 000     | - Case<br>- Press<br>- Die holder<br>- 2 Boxes for composition<br>(without caracteres)   | 0417 0130 000<br>0417 0111 000<br>0417 0112 000<br>0417 0120 000   |
| <b>Case</b>                         | 0417 0130 000     |  |  |
| <b>Press</b>                        | 0417 0111 000     |  |  |
| <b>Die holder<br/>(with wedges)</b> | 0417 0112 000     |  |  |
| <b>Box for composition</b>          | 0417 0120 000     |  |  |
| <b>Set dies A-Z</b>                 | 0417 0040 000 A-Z |  |  |
| <b>Set dies 0-9</b>                 | 0417 0041 000 0-9 |  |  |
| <b>5 blind dies</b>                 | 0417 0060 000 ES  |  |  |
| <b>15 special characters</b>        | 0417 0060 000 SP  |  |  |



The characters (letters, numbers and symbols) are also available on request.

## CH-M plates for identification of cables, sleeveings and tubes

| type       | art. no.      | colours |     |
|------------|---------------|---------|-----|
| CH-M PE BK | 0140 0026 010 | black   | 100 |
| CH-M PE GN | 0140 0027 003 | green   | 100 |
| CH-M PE RD | 0140 0028 007 | red     | 100 |
| CH-M PE BU | 0140 0023 002 | blue    | 100 |
| CH-M PE OG | 0140 0024 005 | orange  | 100 |
| CH-M PE YE | 0140 0022 004 | yellow  | 100 |



C12/.. SES-QUICK



# PLIOSCRIB M-1Pro V

## Tube, profile and label printer



PLIOSCRIB M-1Pro

### PLIOSCRIB M-1Pro V

The PLIOSCRIB M-1Pro V is designed for:

- marking all electrical installations and data network;
- the printing of tubes and cables;
- the labelling of small machines, connector blocks, panels, boxes etc..

The PLIOSCRIB M-1Pro V has **two cut functions**:

- complete cut (sleeves according to the identification length)
- pre-cut in caterpillar form (semi-cut function)

Light, the PLIOSCRIB M-1Pro V is the fastest printer in its category with a printing speed of 40 labels/min\*. It also has a high printing quality on the different media.

\* 20 mm labels, 5 characters in maxi., incremental printing with semi-cut.



#### • Profil M1P-M45

in flexible PVC - choice between 6 colours.

☛ page B13/21-02.

Used with PLIOGRAPH carriers

for cables Ø 1,1 to 30 mm, see page B5/2-01.



#### • Self adhesive labels

widths 6, 9 and 12 mm - colours yellow and white.

☛ page B13/21-02.



#### • Profil M1P-M27 and M1P-M37

in flexible PVC - colours yellow and white  
for cables from 1,6 to 2,5 mm and 2,3 to 3,4 mm.

☛ page B13/21-02.



#### • Tape to mark M1P-BAND10

in PE - colour yellow and white.

☛ page B13/21-02.

For use with the text holders PLIOMARK-MINI, see page B12/8-02.



#### • Self adhesive, self protected label

for cables from Ø 3 to 7 mm - colour white.

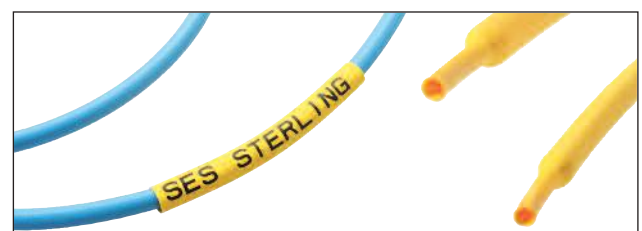
☛ page B13/21-02.



#### • Heat shrinkable sleeving PLIOFINE

from Ø 2,4 to 6,4 mm - colours yellow and white.

☛ page A4/6-04.







• **Standard equipment**

| type                      | article number | dimensions (mm)           |  | weight<br>g |   |
|---------------------------|----------------|---------------------------|--|-------------|---|
|                           |                | width. x length. x height |  |             |   |
| <b>PLIOSCRIB M-1Pro V</b> | 0378 0500 000  | 300 x 250 x 85            |  | 2000        | 1 |

- including:
- 1 M-1Pro V printer
  - 1 power supply
  - 1 operating instruction (CD)
  - 1 flexible case
  - 1 M-1Pro PC software (compatible until Windows 10)
  - 1 USB cable
  - 1 guide for profiles and sleeving
  - 1 black printing tape (40 m)



• **Consumables**

| type | article number | colour | width (mm) |  |
|------|----------------|--------|------------|--|
|------|----------------|--------|------------|--|

**Printing tape (with a chip)**

|                   |               |       |   |           |
|-------------------|---------------|-------|---|-----------|
| <b>M1P-RC03BK</b> | 0378 0513 010 | black | - | 2 x 100 m |
| <b>M1P-RC03WY</b> | 0378 0514 001 | white | - | 2 x 85 m  |

**Tape to mark M1P-BAND10**

(for use with the M1P-TAB10 guide)

|                   |               |        |    |      |
|-------------------|---------------|--------|----|------|
| <b>M1P-BAND10</b> | 0378 0508 001 | white  | 10 | 15 m |
| <b>M1P-BAND10</b> | 0378 0508 004 | yellow | 10 | 15 m |



**Self adhesive tape**

|                   |               |        |    |      |
|-------------------|---------------|--------|----|------|
| <b>M1P-LBC6W</b>  | 0378 0531 001 | white  | 6  | 30 m |
| <b>M1P-LBC6Y</b>  | 0378 0536 004 | yellow | 6  | 30 m |
| <b>M1P-LBC9W</b>  | 0378 0532 001 | white  | 9  | 30 m |
| <b>M1P-LBC9Y</b>  | 0378 0537 004 | yellow | 9  | 30 m |
| <b>M1P-LBC12W</b> | 0378 0533 001 | white  | 12 | 30 m |
| <b>M1P-LBC12Y</b> | 0378 0538 004 | yellow | 12 | 30 m |

**Self adhesive, self protected tape**

|                   |               |       |    |     |
|-------------------|---------------|-------|----|-----|
| <b>M1P-LBA10W</b> | 0378 0539 001 | white | 10 | 8 m |
|-------------------|---------------|-------|----|-----|

**Profile M27/M37**

for cable Ø (mm)

|                |               |        |           |      |
|----------------|---------------|--------|-----------|------|
| <b>M1P-M27</b> | 0378 0515 001 | white  | 1,6...2,5 | 25 m |
| <b>M1P-M27</b> | 0378 0515 004 | yellow | 1,6...2,5 | 25 m |
| <b>M1P-M37</b> | 0378 0516 001 | white  | 2,3...3,4 | 15 m |
| <b>M1P-M37</b> | 0378 0516 004 | yellow | 2,3...3,4 | 15 m |
| <b>M1P-M37</b> | 0378 0516 005 | orange | 2,3...3,4 | 15 m |

**Profile M45**

|                |               |        |   |      |
|----------------|---------------|--------|---|------|
| <b>M1P-M45</b> | 0378 0507 001 | white  | - | 25 m |
| <b>M1P-M45</b> | 0378 0507 002 | blue   | - | 25 m |
| <b>M1P-M45</b> | 0378 0507 003 | green  | - | 25 m |
| <b>M1P-M45</b> | 0378 0507 004 | yellow | - | 25 m |
| <b>M1P-M45</b> | 0378 0507 005 | orange | - | 25 m |
| <b>M1P-M45</b> | 0378 0507 007 | red    | - | 25 m |

• **Options and spare parts**

|                    |               |                                 |  |   |
|--------------------|---------------|---------------------------------|--|---|
| <b>M1P-SCPRO</b>   | 0378 0505 000 | Flexible case                   |  | 1 |
| <b>M1P-CT03</b>    | 0378 0541 000 | One set blades                  |  | 1 |
| <b>M1P-CL03</b>    | 0378 0542 000 | Cleaning set                    |  | 1 |
| <b>M1P-TA01</b>    | 0378 0550 000 | Guide for profiles and sleeving |  | 1 |
| <b>M1P-TAB10</b>   | 0378 0556 000 | Guide for M1P-BAND 10           |  | 1 |
| <b>M1P-PC KIT*</b> | 0378 0590 000 | M1-Pro PC software              |  | 1 |
| <b>M1P-ADU*</b>    | 0378 0591 000 | USB adapter                     |  | 1 |

\* only for M-1Pro II

