



# metallic conduit & fittings



BS EN IEC 61386



# Metallic conduit selection guide

## Conduit System

		FU	SSU	FSU	FNU	LFHU	FPU	LTP	LTPAS	LTPHC	LTPLFH	LTPUL	LTPPU	LTPPUAS	LTPSS	LTBRDP	LTBRDLFH	
IP Rating	IP40	●	●															
	IP54			●	●	●	●											
	IP65			●	●	●	●											
	IP66							●	●	●	●	●	●	●	●	●	●	
	IP67							●	●	●	●	●	●	●	●	●	●	
	IP68							●	●	●	●	●	●	●	●	●	●	●
	IP69							●	●	●	●	●	●	●	●	●	●	●
Compression Strength (kg/100mm)		350	400	350	350	350	350	400	400	400	400	500	400	400	400	400	400	
Pull Off Strength (kg) for 20mm size		120	170	120	120	120	120	130	130	130	130	160	130	130	130	130	130	
Min Bend Radius (mm) for 20mm size		45	45	45	45	45	45	65	65	65	100	90	65	65	65	65	130	
Colours		zinc	stainless steel	black, grey, orange	black	black	black, blue	black, grey, orange	black, grey, orange	black	black	black	black, blue	black	black	black	black	
High Fatigue Life				●			●						●	●				
Temp	Max	300°C	600°C	70°C	120°C	90°C	100°C	105°C	105°C	150°C	90°C	75°C	100°C	100°C	105°C	105°C	90°C	
	Min	-100°C	-100°C	-15°C	-40°C	-25°C	-40°C	-20°C	-20°C	-60°C	-25°C	-15°C	-40°C	-40°C	-20°C	-20°C	-25°C	
Category	Flexible	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
	Pliable																	
Low Fire Hazard	*** Inert ** Extra * Standard																	
	Halogen Free	●	●		●	●	●			●	●		●	●			●	
Fire Tests	Self Extinguishing	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
	EN 45545-2	●	●			●					●						●	
	NFPA-130	●	●			●					●						●	
Abrasion Resistance		●	●		●		●						●	●				
Resistance to solvents		●	●		●		●			●				●	●			
UV Resistance		●	●	●				●	●	●	●	●	●	●	●	●	●	
EMC Performance																		
Hazardous Locations								●	●	●	●	●	●	●	●	●	●	
Anti-Static																		
Approvals	UL Listed											●						
	Lloyds					●		●										
	London Underground	●	●			●					●						●	
	Food Contact																	
ROHS		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
REACH		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
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# Metallic conduit selection guide

LTPBRD	LTP-FG	LTBRDP-FG	LTPSS-FG	FL	FLP	LFHP	FB	FUSSB	FSB	LFHUBRD	FSS	FSSBRD	FPRSS	FPRTC	FPISS	FPIHSS	FPIHRSS
				•			•	•		•							
•	•	•	•		•	•			•	•							
•	•	•	•		•	•							•	•	•	•	•
•	•	•	•		•	•					•	•					
400	400	400	400	300	300	570	350	350	350	350	1000	1000	75	75	45	60	60
350	130	130	130	30	50, 100	50, 100	120	120	120, 300	120, 300	100	150	100	75	100	100	100
65	65	65	65	35	35	40	45	45	45	45	45	60	45	45	45	45	45
stainless steel	white, blue	white, blue	blue	zinc	black	black	zinc	stainless steel	zinc	stainless steel	stainless steel, black	stainless steel	stainless steel	tin	stainless steel	stainless steel	stainless steel
															•	•	•
150 °C	105 °C	105 °C	105 °C	120 °C	70 °C	90 °C	300 °C	300 °C	70 °C	90 °C	400 °C	400 °C	120 °C	120 °C	110 °C	110 °C	110 °C
-60 °C	-20 °C	-20 °C	-20 °C	-40 °C	-15 °C	-25 °C	-100 °C	-100 °C	-15 °C	-25 °C	-100 °C	-100 °C	-40 °C	-40 °C	-50 °C	-50 °C	-50 °C
•	•	•	•				•	•	•	•	•	•	•	•	•	•	•
				•	•	•					•	•	•	•	•	•	•
				•													
				•													
				•													
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# Metallic fittings selection guide

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Stainless steel (316L)



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## Liquid Tight

NPB (Nickel Plated Brass)



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Stainless steel (316L)



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## Other

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# SS (316L) Corrugated

NEW



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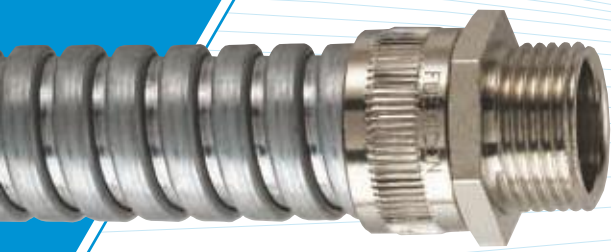
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# FU & SSU system galvanised steel and stainless steel



## Conduit

### FU



**Construction:** Galvanised steel, helically wound, flexible conduit.  
**Colour:** Zinc, self colour.  
**Typical Applications:** Underfloor wiring in office blocks inherent low fire hazard applications typically interior applications due to IP40 rating.



### SSU



**Construction:** Stainless steel (grade 316L), helically wound, flexible conduit.  
**Colour:** Stainless steel, self colour.  
**Typical Applications:** Instrumentation and security or where enhanced corrosion performance is required.



## Fittings

### M

**fixed external thread nickel plated brass**

Two part fitting comprising shell and body with external thread. This fitting can be inserted into a knockout and secured with a locknut.

IP40

### M-SS

**fixed external thread stainless steel**

Two part fitting comprising shell and body with external thread. This fitting can be inserted into a knockout and secured with a locknut.

IP40

### S

**swivel external thread nickel plated brass**

Two part fitting comprising shell and body. The external thread swivels about the main body. Can be used with threaded entries, or knockout secured with a locknut.

IP40



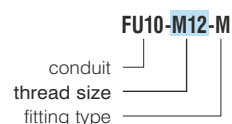
nominal size (mm)	FU		SSU		outside dia (mm)	inside dia (mm)	min inside bend radius (mm)
	part number	reel length (m)	part number	reel length (m)			
10	FU10+	25, 50	SSU10+	10, 25, 50	9.0	6.8	25
12	FU12	25, 50	SSU12+	10, 25, 50	13.0	10.2	30†
16	FU16	10, 25, 50	SSU16	10, 25, 50	16.0	13.0	40
16							
20	FU20	10, 25, 50	SSU20	10, 25	20.5	16.9	45
25	FU25	10, 25, 50	SSU25	10, 25	25.0	21.1	55
32	FU32	10, 25	SSU32	10, 25	32.0	28.1	60
40	FU40	10, 25	SSU40	10	42.5	37.6	80
50	FU50	10, 25	SSU50	10	53.0	48.4	90
63	FU63	10	SSU63*	10	62.5	57.5	115
75	FU75	10			77.0	70.0	150

metric thread part number	PG thread part number	metric thread part number	metric thread part number	PG thread part number
FU10-M12-M	FU10-PG7-M	SSU10-M12-M	FU10-M12-S	FU10-PG7-S
FU12-M16-M	FU12-PG9-M	SSU12-M16-M	FU12-M16-S	FU12-PG9-S
FU16-M16-M	FU16-PG11-M	SSU16-M16-M	FU16-M16-S	FU16-PG11-S
FU16-M20-M			FU16-M20-S	FU16-PG13-S
FU20-M20-M	FU20-PG16-M	SSU20-M20-M	FU20-M20-S	FU20-PG16-S
FU25-M25-M	FU25-PG21-M	SSU25-M25-M	FU25-M25-S	FU25-PG21-S
FU32-M32-M	FU32-PG29-M	SSU32-M32-M	FU32-M32-S	FU32-PG29-S
FU40-M40-M	FU40-PG36-M	SSU40-M40-M	FU40-M40-S	FU40-PG36-S
FU50-M50-M	FU50-PG48-M	SSU50-M50-M	FU50-M50-S	FU50-PG42-S
FU63-M63-M		SSU63-M63-M*	FU63-M63-S	
FU75-M75-M				

## Ordering Notes

- Add reel length eg: FU20-25M for 25m reel
- Available on request:
  - longer lengths and bulk packaging
  - cut lengths and assemblies
  - alternative threads
- \* Indicates parts made to order on request and may be subject to MOQ and lead time
- + Double interlock section
- † SSU12 Minimum bend radius is 50mm

## How to read the fittings code



# properties

- High mechanical strength
- Highly flexible
- Inherently Low Fire Hazard (LFH) see page 148
- Fully compliant to LUL Std S1085 (Cert No. 296)
- Temperature range
  - 100°C to +300°C (FU)
  - 100°C to +600°C (SSU + SS fittings)
  - 100°C to +400°C (SSU + NPB fittings)

- IP rating: IP40
- SSU is highly corrosion resistant
- Nickel plated brass fittings
- Stainless steel (316L) fittings
- EN 45545 HL3 and NFPA130 compliant



S-SS	P	F	FCC	90° elbow
<p><b>swivel external thread stainless steel</b></p> <p>Two part fitting comprising shell and body. The external thread swivels about the main body. Can be used with threaded entries, or knockout secured with a locknut.</p> <p>IP40</p>	<p><b>plain hole connector nickel plated brass</b></p> <p>Two part fitting comprising shell and body without thread. The body is fitted through the opposite side of the entry to the conduit and acts as a locking device also providing a smooth entry bush.</p> <p>IP40</p>	<p><b>fixed internal thread nickel plated brass</b></p> <p>Two part fitting comprising shell and body with internal thread which can be used to connect with an external thread.</p> <p>IP40</p>	<p><b>plated steel P clip with pvc liner and secure stainless steel P clips</b></p> <p>P clip to support and secure conduit.</p>	<p><b>internal and external threaded nickel plated brass elbow</b></p> <p>90° elbow which can be screwed onto external threaded fittings to create a 90° elbow termination.</p>



metric thread part number	hole size (mm)	part number	metric thread part number	plated steel part number	stainless steel part number	part number	nominal size (mm)
SSU10-M12-S	9	FU10-P		FCC10	FCC10-SS*	BM90-PG7*	10
SSU12-M16-S	12	FU12-P		FCC12	FCC12-SS	BM90-16M	11
SSU16-M16-S	16	FU16-P	FU16-M16-F	FCC16	FCC16-SS	BM90-16M	13
			FU16-M20-F	FCC16	FCC16-SS	BM90-20M	13
SSU20-M20-S	20	FU20-P	FU20-M20-F	FCC20	FCC20-SS	BM90-20M	16
SSU25-M25-S	25	FU25-P	FU25-M25-F	FCC25	FCC25-SS	BM90-25M	18
SSU32-M32-S	32	FU32-P	FU32-M32-F	FCC32	FCC32-SS	BM90-32M	20
	40	FU40-P	FU40-M40-F	FCC40	FCC40-SS	BM90-40M	21
	51	FU50-P	FU50-M50-F	FCC50	FCC50-SS	BM90-50M	25
	61	FU63-P	FU63-M63-F	FCC63	FCC63-SS*		28
	75	FU75-P		FCC75			34

## Standards

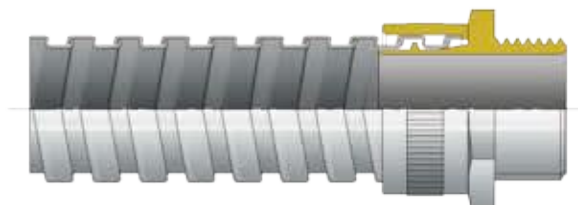


BS EN IEC 61386



Note: refer to conduit properties for applicable standards

## Technical Drawing





# FSU & FNU system

galvanised steel pvc or nylon coated

## Conduit

### FSU

**Construction:** Galvanised steel, helically wound, flexible conduit with pvc coating.

**Colour:** Black. Grey or Orange on request.\*

**Typical Applications:** General factory wiring and connections to machines.

### FNU

**Construction:** Galvanised steel, helically wound, flexible conduit with elastomeric nylon coating.

**Colour:** Black.

**Typical Applications:** Demanding applications requiring higher temperatures or solvent and abrasion resistance.

## Fittings

### M

#### fixed external thread nickel plated brass

Two part fitting comprising shell and body with external thread. This fitting can be inserted into a knockout and secured with a locknut.

IP54

### S

#### swivel external thread nickel plated brass

Two part fitting comprising shell and body. The external thread swivels about the main body. Can be used with threaded entries, or knockout secured with a locknut.

IP54

### P

#### plain hole connector nickel plated brass

Two part fitting comprising shell and body without thread. The body is fitted through the opposite side of the entry to the conduit and acts as a locking device also providing a smooth entry bush.

IP54



nominal size (mm)	FSU			FNU			outside dia (mm)	inside dia (mm)	min inside bend radius (mm)
	part number	reel length (m)	part number	reel length (m)					
10	FSU10B+	25, 50					10.0	6.8	25
12	FSU12B	25, 50					14.0	10.2	30
16	FSU16B	10, 25, 50	FNU16B*	25			17.0	13.0	40
16									
20	FSU20B	10, 25, 50	FNU20B*	25			21.5	16.9	45
25	FSU25B	10, 25, 50	FNU25B*	25			26.0	21.1	55
32	FSU32B	10, 25	FNU32B*	25			34.0	28.1	60
40	FSU40B	10, 25					44.5	37.6	90
50	FSU50B	10, 25					55.0	48.4	100
63	FSU63B	10					64.5	57.5	115
75	FSU75B	10					79.0	70.0	150

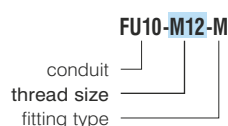
metric thread part number	PG thread part number	metric thread part number	PG thread part number	hole size (mm)	part number
FSU10-M12-M	FSU10-PG7-M	FSU10-M12-S	FSU10-PG7-S	9	FSU10-P
FSU12-M16-M	FSU12-PG9-M	FSU12-M16-S	FSU12-PG9-S	12	FSU12-P
FSU16-M16-M	FSU16-PG11-M	FSU16-M16-S	FSU16-PG11-S	16	FSU16-P
FSU16-M20-M		FSU16-M20-S	FSU16-PG13-S		
FSU20-M20-M	FSU20-PG16-M	FSU20-M20-S	FSU20-PG16-S	20	FSU20-P
FSU25-M25-M	FSU25-PG21-M	FSU25-M25-S	FSU25-PG21-S	25	FSU25-P
FSU32-M32-M	FSU32-PG29-M	FSU32-M32-S	FSU32-PG29-S	32	FSU32-P
FSU40-M40-M	FSU40-PG36-M	FSU40-M40-S	FSU40-PG36-S	40	FSU40-P
FSU50-M50-M	FSU50-PG48-M	FSU50-M50-S	FSU50-PG48-S	51	FSU50-P
FSU63-M63-M		FSU63-M63-S		61	FSU63-P
FSU75-M75-M				75	FSU75-P

## Ordering Notes

- Add reel length eg: FSU20-25M for 25m reel
- FSU fittings used for FNU conduit
- \* Indicates parts made to order on request and may be subject to MOQ and lead time
- + Double interlock section

- **Available on request:**
  - low temperature (-40°C) version of FSU
  - longer lengths and bulk packaging
  - cut lengths and assemblies
  - other colours
  - stainless steel fittings (grade 316L)
  - alternative threads
  - 45° elbows 16 to 32mm

## How to read the fittings code





# properties

- High mechanical strength
- Highly flexible
- IP rating: IP54 with standard fittings, IP65 with type C compression fittings
- Temperature range  
-15°C to +70°C (FSU)  
-40°C to +120°C (FNU)
- FNU offers high abrasion resistance and solvent resistance
- Low Fire Hazard version available (see type LFHU on page 96)
- Nickel plated brass fittings
- Vibration and shock tested to EN 61373 Cat 2



F	C	C-S	C90	coupler	E
<b>fixed internal thread nickel plated brass</b> Two part fitting comprising shell and body with internal thread which can be used to couple two pieces of conduit together when used with a swivel fitting.	<b>external thread nickel plated brass</b> Multipart compression fitting including elastomeric seal. Can be used for knockouts or threaded entries as fitting rotates until tightened.	<b>external thread nickel plated brass</b> Multipart compression fitting including elastomeric seal. The external thread swivels about the main body even after tightening.	<b>external thread elbow nickel plated brass</b> Multipart 90° compression fitting including elastomeric seal.	<b>external thread elbow nickel plated brass</b> Multipart 90° compression fitting including elastomeric seal.	<b>insert nickel plated brass</b> Single part, machined insert to cap end of conduit.
IP54	IP65	IP65	IP65	IP65	



metric thread part number	metric thread part number	PG thread part number	NPT thread part number	metric thread part number	metric thread part number	part number	part number	nominal size (mm)
	FSU10-M12-C						FSU10-E	10
	FSU12-M16-C	FSU12-PG9-C		FSU12-M16-C-S	FSU12-M16-C90		FSU12-E	12
FSU16-M16-F	FSU16-M16-C	FSU16-PG11-C	FSU16-050-C	FSU16-M16-C-S	FSU16-M16-C90	FSU16-FSU16	FSU16-E	16
FSU16-M20-F	FSU16-M20-C	FSU16-PG13-C		FSU16-M20-C-S	FSU16-M20-C90		FSU16-E	16
FSU20-M20-F	FSU20-M20-C	FSU20-PG16-C	FSU20-050-C	FSU20-M20-C-S	FSU20-M20-C90	FSU20-FSU20	FSU20-E	20
FSU25-M25-F	FSU25-M25-C	FSU25-PG21-C	FSU25-075-C	FSU25-M25-C-S	FSU25-M25-C90	FSU25-FSU25	FSU25-E	25
FSU32-M32-F	FSU32-M32-C	FSU32-PG29-C	FSU32-100-C	FSU32-M32-C-S	FSU32-M32-C90	FSU32-FSU32	FSU32-E	32
FSU40-M40-F	FSU40-M40-C						FSU40-E	40
FSU50-M50-F	FSU50-M50-C						FSU50-E	50
FSU63-M63-F							FSU63-E	63
							FSU75-E	75

Also available in a Contractor Pack - see page 132

## Standards

BS EN IEC 61386



## Technical Drawing





**LFHU system**  
galvanised steel LFH coated



**FPU system**  
galvanised steel  
polyurethane coated

## Conduit

### LFHU



**Construction:** Galvanised steel, helically wound, flexible steel conduit with Low Fire Hazard (LFH) coating.

**Colour:** Black.

**Typical Applications:** Public and commercial buildings and tunnels where low fire hazard performance is a requirement.



### FPU

**Construction:** Galvanised steel, helically wound, flexible steel conduit with low temperature, high abrasion, high fatigue life halogen free polyurethane coating.

**Colour:** Black and Metallic Blue.

**Typical Applications:** Where low temperature and mechanical strength are important.

## Fittings

### M

**fixed external thread nickel plated brass**

Two part fitting comprising shell and body with external thread. This fitting can be inserted into a knockout and secured with a locknut.

IP54

### S

**swivel external thread nickel plated brass**

Two part fitting comprising shell and body. The external thread swivels about the main body. Can be used with threaded entries, or knockout secured with a locknut.

IP54

### P

**plain hole connector nickel plated brass**

Two part fitting comprising shell and body without thread. The body is fitted through the opposite side of the entry to the conduit and acts as a locking device also providing a smooth entry bush.

IP54



nominal size (mm)	LFHU			FPU			metric thread part number	PG thread part number	metric thread part number	PG thread part number	hole size (mm)	part number	
	part number	reel length (m)	part number	reel length (m)	outside dia (mm)	inside dia (mm)							min inside bend radius (mm)
12	LFHU12B*	25	FPU12B*	25	14.0	10.2	30						
16	LFHU16B	25, 50	FPU16B	25	17.0	13.0	40	FSU12-M16-M	FSU12-PG9-M	FSU12-M16-S	FSU12-PG9-S	12	FSU12-P
16								FSU16-M16-M	FSU16-PG11-M	FSU16-M16-S	FSU16-PG11-S	16	FSU16-P
20	LFHU20B	10, 25, 50	FPU20B	25, 50	21.5	16.9	45	FSU16-M20-M	FSU16-PG13-M	FSU16-M20-S	FSU16-PG13-S	20	FSU20-P
25	LFHU25B	10, 25, 50	FPU25B	25, 50	26.0	21.1	55	FSU20-M20-M	FSU20-PG16-M	FSU20-M20-S	FSU20-PG16-S	20	FSU20-P
32	LFHU32B	10, 25	FPU32B	25	34.0	28.1	80	FSU25-M25-M	FSU25-PG21-M	FSU25-M25-S	FSU25-PG21-S	25	FSU25-P
40	LFHU40B	10, 25	FPU40B*	10	44.5	37.6	90	FSU32-M32-M	FSU32-PG29-M	FSU32-M32-S	FSU32-PG29-S	32	FSU32-P
50	LFHU50B	10, 25	FPU50B*	10	55.0	48.4	100	FSU40-M40-M	FSU40-PG36-M	FSU40-M40-S	FSU40-PG36-S	40	FSU40-P
63	LFHU63B	10	FPU63B*	10	64.5	57.5	115	FSU50-M50-M	FSU50-PG48-M	FSU50-M50-S	FSU50-PG48-S	51	FSU50-P
75	LFHU75B	10	FPU75B*	10	79.0	70.0	150	FSU63-M63-M		FSU63-M63-S		61	FSU63-P
								FSU75-M75-M				75	FSU75-P

## Ordering Notes

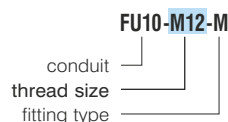
- Add reel length eg: LFHU20B-25M for 25m reel
- FSU fittings used on LFHU conduit
- For metallic blue change B to BU eg FPU20BU-25M

\* Indicates parts made to order on request and may be subject to MOQ and lead time



- **Available on request:**
  - longer lengths and bulk packaging
  - cut lengths and assemblies additional sizes
  - stainless steel fittings (grade 316L)
  - alternative threads
  - 45° C type elbows 16 to 32mm

## How to read the fittings code



### Important Note

- For LFH performance see page 148

# properties

- High mechanical strength
- Highly flexible
- IP rating: IP54 with standard fittings, IP65 with type C compression fittings
- **Extra low Fire Hazard UL94 V0, for LFH see page 148 (LFHU)**
- **High fatigue life and high abrasion resistant (FPU)**
- Halogen, sulphur and phosphorus free
- **Compliant to LUL Std S1085 (LFHU) (Cert No. 297)**
- EN45545-2 HL3 for LFHU and NFPA 130
- Temperature range:
  - 25°C to +90°C (LFHU)
  - 40°C to +100°C (FPU)
- Nickel plated brass fittings
- Vibration and shock tested to EN61373 Cat 2



F	C	C-S	C90	coupler	E
<b>fixed internal thread nickel plated brass</b> Two part fitting comprising shell and body with internal thread which can be used to couple two pieces of conduit together when used with a swivel fitting.	<b>external thread nickel plated brass</b> Multipart compression fitting including elastomeric seal. Can be used for knockouts or threaded entries as fitting rotates until tightened.	<b>external thread nickel plated brass</b> Multipart compression fitting including elastomeric seal. The external thread swivels about the main body even after tightening.	<b>external thread elbow nickel plated brass</b> Multipart 90° compression fitting including elastomeric seal.	<b>external thread elbow nickel plated brass</b> Multipart 90° compression fitting including elastomeric seal.	<b>insert nickel plated brass</b> Single part, machined insert to cap end of conduit.
IP54	IP65	IP65	IP65	IP65	



	metric thread part number	metric thread part number	PG thread part number	NPT thread part number	metric thread part number	metric thread part number	part number	part number	nominal size (mm)
		FSU12-M16-C	FSU12-PG9-C		FSU12-M16-C-S	FSU12-M16-C90		FSU12-E	12
FSU16-M16-F		FSU16-M16-C	FSU16-PG11-C	FSU16-050-C	FSU16-M16-C-S	FSU16-M16-C90		FSU16-E	16
FSU16-M20-F		FSU16-M20-C	FSU16-PG13-C		FSU16-M20-C-S	FSU16-M20-C90	FSU16-FSU16	FSU16-E	16
FSU20-M20-F		FSU20-M20-C	FSU20-PG16-C	FSU20-050-C	FSU20-M20-C-S	FSU20-M20-C90	FSU20-FSU20	FSU20-E	20
FSU25-M25-F		FSU25-M25-C	FSU25-PG21-C	FSU25-075-C	FSU25-M25-C-S	FSU25-M25-C90	FSU25-FSU25	FSU25-E	25
FSU32-M32-F		FSU32-M32-C	FSU32-PG29-C	FSU32-100-C	FSU32-M32-C-S	FSU32-M32-C90	FSU32-FSU32	FSU32-E	32
FSU40-M40-F		FSU40-M40-C						FSU40-E	40
FSU50-M50-F		FSU50-M50-C						FSU50-E	50
FSU63-M63-F								FSU63-E	63
								FSU75-E	75

## Standards



Note: refer to conduit properties for applicable standards

## Technical Drawing



# Liquid Tight Conduits range

## Metallic Conduits

EN 45545-2 NFPA 130

LTP	LTPAS <small>AS ANTI-STATIC</small>	LTPHC	LTPLFH <small>EXTRA LOW FIRE HAZARD **</small>
<p><b>Construction:</b> Galvanised steel, helically wound, flexible conduit with smooth oil resistant and high temperature PVC cover.</p> <p><b>Colour:</b> Black. Grey or Orange on request</p> <p><b>Typical Applications:</b> High mechanical strength combined with extremely high IP rating (IP68 and IP69) suitable for external applications where fire performance is not a consideration such as external car park barriers and systems.</p> <p><b>Special Characteristics:</b> Oil resistant and self extinguishing.</p> <ul style="list-style-type: none"> <li>High mechanical strength</li> <li>IP rating: IP66 + IP67 + IP68 (5 bar) + IP69</li> <li>Smooth, wipe clean outer cover</li> <li>Cover does not wrinkle when bent</li> <li>Temperature range -20°C to +105°C</li> <li>Good flexibility</li> <li>Lloyd's Register Type Approval</li> <li>Resistant to oils and greases</li> <li>Vibration and shock tested to EN61373 Cat 2</li> <li>Black, Grey and Orange are UV resistant and suitable for external use</li> <li>Also available as a Hygienic version with a coating manufactured from FDA approved ingredients - see page 112</li> </ul>	<p><b>Construction:</b> Galvanised steel, helically wound, flexible conduit with smooth oil resistant and high temperature PVC cover.</p> <p><b>Colour:</b> Black. Grey on request</p> <p><b>Typical Applications:</b> High mechanical strength combined with extremely high IP rating (IP68 and IP69) suitable for external applications where fire performance is not a consideration.</p> <p><b>Special Characteristics:</b> Oil resistant and self extinguishing.</p> <p><b>LTPAS</b> As per LTP but with an anti-static performance coating.</p> <ul style="list-style-type: none"> <li>High mechanical strength</li> <li>IP rating: IP66 + IP67 + IP68 (5 bar) + IP69</li> <li>Smooth, wipe clean outer cover</li> <li>Cover does not wrinkle when bent</li> <li>Temperature range -20°C to +105°C</li> <li>Good flexibility</li> <li>UV resistant (black) and suitable for external use</li> <li>Anti-Static performance coating to EN60079-0</li> <li>Resistant to oils and greases</li> <li>Vibration and shock tested to EN61373 Cat 2</li> </ul>	<p><b>Construction:</b> Galvanised steel, helically wound, flexible conduit with smooth thermoplastic elastomer (TPE) cover.</p> <p><b>Colour:</b> Black</p> <p><b>Typical Applications:</b> High mechanical strength combined with high and low temperature performance, combined with extremely high IP rating (IP68 and IP69) suitable for external applications where fire performance is not a consideration.</p> <p><b>Special Characteristics:</b> Wide temperature range performance. Good flexibility at low and high temperatures.</p> <ul style="list-style-type: none"> <li>High mechanical strength</li> <li>IP rating: IP66 + IP67 + IP68 (5 bar) + IP69</li> <li>Smooth, wipe clean outer cover</li> <li>Cover does not wrinkle when bent</li> <li>Temperature range -60°C to +150°C</li> <li>Good flexibility</li> <li>UV resistant (black) and suitable for external use</li> <li>Resistant to oils and greases</li> <li>Vibration and shock tested to EN61373 Cat 2</li> </ul>	<p><b>Construction:</b> Galvanised steel, helically wound, flexible conduit with smooth oil resistant Low Fire Hazard (LFH) cover.</p> <p><b>Colour:</b> Black</p> <p><b>Typical Applications:</b> High mechanical strength combined with extremely high IP rating (IP68 and IP69) suitable for internal and external applications where fire performance is a requirement. APR 2020.</p> <p><b>Special Characteristics:</b> As per LTP but where Extra Low Fire Hazard performance is required.</p> <ul style="list-style-type: none"> <li>High mechanical strength</li> <li>IP rating: IP66 + IP67 + IP68 (5 bar) + IP69</li> <li>Smooth, wipe clean outer cover</li> <li>Cover does not wrinkle when bent</li> <li>Temperature range -25°C to +90°C (LTPLFH)</li> <li>Good flexibility</li> <li>UV resistant (black) and suitable for external use</li> <li>Resistant to oils and greases</li> <li>EXTRA Low Fire Hazard UL94 V0 (for LFH see page 148)</li> <li>Compliant to LUL Std S1085 (LTPLFH) Cert No. 2020</li> <li>EN 45545 to HL3 and NFPA130 compliant</li> <li>Vibration and shock tested to EN61373 Cat 2</li> </ul>


nominal size (mm)	US trade size (")	outside dia (mm)	inside dia (mm)	LTP			LTPAS			LTPHC			LTPLFH			
				part number	reel length (m)	min inside bend radius (mm)	part number	reel length (m)	min inside bend radius (mm)	part number	reel length (m)	min inside bend radius (mm)	part number	reel length (m)	min inside bend radius (mm)	
10	¼	11.8	7.0	LTP10B*	50	35										
10																
12	⅝	14.2	10.0	LTP12B	25, 50	40			LTPHC12B*	25	40					
16	⅝	17.8	12.6	LTP16B	10, 25, 50	45		LTPAS16B*	25	45	LTPHC16B	25	45	LTPLFH16B	25	60
16																
20	½	21.1	16.0	LTP20B	10, 25, 50	65		LTPAS20B*	25	65	LTPHC20B	25	65	LTPLFH20B	25	100
25	¾	26.4	21.0	LTP25B	10, 25, 50	100		LTPAS25B*	25	100	LTPHC25B	25	100	LTPLFH25B	25	130
32	1	33.1	26.5	LTP32B	10, 25, 50	135		LTPAS32B*	25	135	LTPHC32B	25	135	LTPLFH32B	10	180
40	1¼	41.8	35.4	LTP40B	10, 25	175		LTPAS40B*	10	175	LTPHC40B	10	175			
50	1½	47.9	40.4	LTP50B*	10, 25	230		LTPAS50B**	10	230	LTPHC50B*	10	230			
63	2	59.7	51.6	LTP63B*	10, 25	280		LTPAS63B**	10	280	LTPHC63B**	10	280			

## Ordering Notes

- Add reel length eg: LTP20B-25M for a 25m reel
- For LTP specify colour (B = Black, G = Grey)
- \* Indicates parts made to order on request and may be subject to MOQ and lead time
- + Double interlock section
- # PG & NPT threads not supplied with insulated throats
- **Available on request:**
  - longer lengths and bulk packaging
  - cut lengths and assemblies
  - C-S with PG threads
  - other colours
  - internal thread fittings

# Liquid Tight Conduits continued

**MORE CONDUITS OVERLEAF!**

LTPUL	LTPPU	LTPPUAS 	LTPSS
<p><b>Construction:</b> Galvanised steel, helically wound, flexible steel conduit including copper bonding strip (up to 40mm) with smooth PVC cover.</p> <p><b>Colour:</b> Black</p> <p><b>Typical Applications:</b> As for LTP but where UL listing or CSA approval is required.</p> <p><b>Special Characteristics:</b> UL listed and CSA approved.</p> <ul style="list-style-type: none"> <li>• High mechanical strength</li> <li>• IP rating: IP66 + IP67 + IP68 (5 bar) + IP69</li> <li>• Smooth, wipe clean outer cover</li> <li>• Cover does not wrinkle when bent</li> <li>• Temperature range -15°C to +75°C (LTPUL)</li> <li>• Good flexibility</li> <li>• UV resistant (Black) and suitable for external use</li> <li>• Resistant to oils and greases</li> <li>• For UL listed fittings see page 104</li> <li>• Vibration and shock tested to EN61373 Cat 2</li> </ul>	<p><b>Construction:</b> Galvanised steel, helically wound, flexible steel conduit with smooth halogen free polyurethane cover.</p> <p><b>Colour:</b> Black (B) and Blue (BU) (RAL 5015)</p> <p><b>Typical Applications:</b> High mechanical strength with low temperature and high abrasion resistance, combined with extremely high IP rating (IP68 and IP69) suitable for external applications where fire performance is not a requirement.</p> <p><b>Special Characteristics:</b> Low temperature performance, high abrasion and high fatigue life.</p> <ul style="list-style-type: none"> <li>• High mechanical strength</li> <li>• Good flexibility</li> <li>• IP rating: IP66 + IP67 + IP68 (5 bar) + IP69</li> <li>• Smooth, wipe clean outer cover</li> <li>• Cover does not wrinkle when bent</li> <li>• Resistant to oils &amp; greases</li> <li>• Temperature range: -40°C to +100°C</li> <li>• UV resistant and suitable for external use</li> <li>• High abrasion, high fatigue life</li> <li>• Vibration and shock tested to EN61373 Cat 2</li> </ul>	<p><b>Construction:</b> Galvanised steel, helically wound, flexible steel conduit with smooth halogen free polyurethane cover.</p> <p><b>Colour:</b> Black (B) and Blue (BU) (RAL 5015)</p> <p><b>Typical Applications:</b> High mechanical strength with low temperature and high abrasion resistance, combined with extremely high IP rating (IP68 and IP69) suitable for external applications where fire performance is not a requirement.</p> <p><b>Special Characteristics:</b> Low temperature performance, high abrasion and high fatigue life.</p> <p><b>LTPPUAS</b> As per LTPPU but with an anti-static performance coating.</p> <ul style="list-style-type: none"> <li>• High mechanical strength</li> <li>• Good flexibility</li> <li>• IP rating: IP66 + IP67 + IP68 (5 bar) + IP69</li> <li>• Smooth, wipe clean outer cover</li> <li>• Cover does not wrinkle when bent</li> <li>• Resistant to oils &amp; greases</li> <li>• Temperature range: -40°C to +100°C</li> <li>• UV resistant and suitable for external use</li> <li>• Vibration and shock tested to EN61373 Cat 2</li> <li>• Anti-Static performance coating to EN60079-0</li> </ul>	<p><b>Construction:</b> Stainless steel (316L), helically wound, flexible conduit with oil resistant and high temperature pvc smooth cover.</p> <p><b>Colour:</b> Black</p> <p><b>Typical Applications:</b> Machinery or outdoor applications where high corrosion resistance and liquid tight are a requirement.</p> <p><b>Special Characteristics:</b> Enhanced corrosion resistance performance.</p> <ul style="list-style-type: none"> <li>• High mechanical strength</li> <li>• Good flexibility</li> <li>• IP rating: IP66 + IP67 + IP68 (5 bar) + IP69</li> <li>• Smooth, wipe clean outer cover</li> <li>• Cover does not wrinkle when bent</li> <li>• Resistant to oils &amp; greases</li> <li>• Temperature range: -20°C to +105°C</li> <li>• UV resistant and suitable for external use</li> <li>• Vibration and shock tested to EN61373 Cat 2</li> <li>• Also available as a Hygienic version with a coating manufactured from FDA approved ingredients - see page 112</li> </ul>

LTPUL	LTPPU	LTPPUAS	LTPSS	
part number	part number	part number	part number	
reel length (m)	inside dia (mm)	reel length (m)	reel length (m)	
min inside bend radius (mm)	min inside bend radius (mm)	min inside bend radius (mm)	min inside bend radius (mm)	
			nominal size (mm)	
	LTPPU10*			10
	LTPPU12*			10
	LTPPU16*			12
LTPUL16B		LTPPUAS16*	LTPSS16*	16
				16
LTPUL20B	LTPPU20*	LTPPUAS20*	LTPSS20	20
LTPUL25B	LTPPU25*	LTPPUAS25*	LTPSS25	25
LTPUL32B	LTPPU32*	LTPPUAS32*	LTPSS32	32
LTPUL40B	LTPPU40*	LTPPUAS40*	LTPSS40	40
LTPUL50B+	LTPPU50**	LTPPUAS50**	LTPSS50+	50
LTPUL63B+	LTPPU63**	LTPPUAS63**	LTPSS63+	63

## Standards



Note: refer to conduit properties for applicable standards

# Liquid Tight Conduits continued

FOLD PAGE OUT!

EN 45545-2 NFPA 130



## LTBRDP

**Construction:** Galvanised steel, helically wound, flexible conduit with galvanised steel braid and oil resistant and high temperature pvc smooth cover.

**Colour:** Black

**Typical Applications:** Machinery or outdoor applications where high corrosion resistance and liquid tight are a requirement combined with EMC screening

**Special Characteristics:** Good flexibility and EMC screening.

- High mechanical strength
- Good flexibility
- IP rating: IP66 + IP67 + IP68 (5 bar) + IP69
- Smooth, wipe clean outer cover
- Cover does not wrinkle when bent
- Resistant to oils & greases
- Temperature range: -20°C to +105°C
- UV resistant and suitable for external use
- Vibration and shock tested to EN61373 Cat 2
- Provides EMC screening
- Also available as a Hygienic version with a coating manufactured from FDA approved ingredients - see page 112



## LTBRDLFH

**Construction:** Galvanised steel, helically wound, flexible conduit with smooth oil resistant Low Fire Hazard (LFH) cover.

**Colour:** Black

**Typical Applications:** Installations where liquid tight is a requirement and where low fire hazard properties and EMC screening are required.

**Special Characteristics:** As per LTP but where Extra Low Fire Hazard performance is required.

- High mechanical strength
- Good flexibility
- IP rating: IP66 + IP67 + IP68 (5 bar) + IP69
- Smooth, wipe clean outer cover
- Cover does not wrinkle when bent
- Resistant to oils & greases
- Temperature range: -20°C to +90°C
- UV resistant and suitable for external use
- Vibration and shock tested to EN61373 Cat 2
- Provides EMC screening
- Extra Low Fire Hazard UL94 V0 (for LFH see page 148)
- Compliant to LUL Std S1085 (Cert No. 658)
- EN 45545 to HL3 and NFPA 130 compliant

## FCC

**plated steel P clip with PVC liner**

P clip to support and secure conduit.

## FCC-SS

**stainless steel (316L) P clips**

P clip to support conduit.

## E

**insert nickel plated brass**

Single part, machined insert to cap end of conduit.



LTBRDP			LTBRDLFH			plated steel part number		part number		part number			
part number	inside dia (mm)	min inside bend radius (mm)	part number	reel length (m)	min inside bend radius (mm)				inside dia (mm)	outside dia (mm)	US trade size (")	nominal size (mm)	
						FCC10	FCC10-SS*	LTP10-E	7.0	11.8	¼	10	
						FCC12	FCC12-SS	LTP10-E				10	
						FCC16	FCC16-SS	LTP12-E	10.0	14.2	⅜	12	
						FCC16	FCC16-SS	LTP16-E	12.6	17.8	⅝	16	
							FCC16-SS	LTP16-E				16	
LTBRDP20B	25	65	LTBRDLFH20B	25	130	FCC20	FCC20-SS	LTP20-E	16.0	21.1	½	20	
LTBRDP25B	25	100	LTBRDLFH25B	25	200	FCC25	FCC25-SS	LTP25-E	21.0	26.4	¾	25	
LTBRDP32B	25	120	LTBRDLFH32B*	25	270	FCC32	FCC32-SS	LTP32-E	26.5	33.1	1	32	
LTBRDP40B	10	140				FCC40	FCC40-SS	LTP40-E	35.4	41.8	1¼	40	
LTBRDP50B+	10	180				FCC50	FCC50-SS	LTP50-E	40.4	47.9	1½	50	
LTBRDP63B+	10	270				FCC63	FCC63-SS*	LTP63-E	51.6	59.7	2	63	

## Technical Drawing



LTPPU, LTPPUAS



LTBRDP & LTBRDLFH

# Metallic Conduit and Fittings

To make your selection from our wide range of flexible conduits easier, we have devised a table (see below) which offers a one page summary to help you when you come to select your fittings. We have a wide selection of fittings that can be used with the conduits listed below.




Using this fold out page will illustrate the wide range of liquid tight metallic conduits we offer. There are ten different metallic conduit families listed in this spread and these are detailed across Pages 98 - 100.

## Ordering Notes

Once you have chosen your conduit from our wide range of products listed on Pages 98, 99 and 100, simply use this fold out page as a guide to see which fittings correspond with your selected conduit.

The fold out conduit summary chart below lines up with the respective subsequent fittings pages to allow you to still see your selected conduit, whilst selecting your fittings.

**HG**  
 HYGIENIC  
 RANGE



## Looking for Cable Protection for Hygienic Applications?

See pages 112 & 113 for further details on our new Liquid Tight Hygienic Range.

nominal size (mm)	US trade size (")	outside dia (mm)	inside dia (mm)	LTP	LTPAS	LTPHC	LTPLFH	LTPUL	LTPPU	LTPPUAS	LTPSS	LTBRDP	LTBRDLFH
				part number	part number	part number	part number	part number	part number	part number	part number	part number	part number
10	¼	11.8	7.0	LTP10B					LTPPU10				
12	⅝	14.2	10.0	LTP12B		LTPHC12B			LTPPU12				
16	⅝	17.8	12.6	LTP16B		LTPHC16B	LTPLFH16B	LTPUL16B	LTPPU16	LTPPUAS16	LTPSS16		
16					LTPAS16B								
20	½	21.1	16.0	LTP20B	LTPAS20B	LTPHC20B	LTPLFH20B	LTPUL20B	LTPPU20	LTPPUAS20	LTPSS20	LTBRDP20B	LTBRDLFH20B
25	¾	26.4	21.0	LTP25B	LTPAS25B	LTPHC25B	LTPLFH25B	LTPUL25B	LTPPU25	LTPPUAS25	LTPSS25	LTBRDP25B	LTBRDLFH25B
32	1	33.1	26.5	LTP32B	LTPAS32B	LTPHC32B	LTPLFH32B	LTPUL32B	LTPPU32	LTPPUAS32	LTPSS32	LTBRDP32B	LTBRDLFH32B
40	1¼	41.8	35.4	LTP40B	LTPAS40B	LTPHC40B		LTPUL40B	LTPPU40	LTPPUAS40	LTPSS40	LTBRDP40B	
50	1½	47.9	40.4	LTP50B	LTPAS50B	LTPHC50B		LTPUL50B	LTPPU50	LTPPUAS50	LTPSS50	LTBRDP50B	
63	2	59.7	51.6	LTP63B	LTPAS63B	LTPHC63B		LTPUL63B	LTPPU63	LTPPUAS63	LTPSS63	LTBRDP63B	

## Standards & Approvals



# Liquid Tight Conduit fittings

## nickel plated brass fittings

IP66

IP67

IP68

IP69

## Fittings

C	C-S	C-F <span style="background-color: #0070C0; color: white; border-radius: 50%; padding: 2px;">NEW</span>	C-SF <span style="background-color: #0070C0; color: white; border-radius: 50%; padding: 2px;">NEW</span>
<b>external thread nickel plated brass</b> Multipart compression fitting including elastomeric seal. Can be used for knockout or threaded entries as fitting rotates until tightened.	<b>swivel external thread nickel plated brass</b> Compression fitting for knockout or threaded entries.  Multipart compression fitting including elastomeric seal. The external thread swivels about the main body even after tightening.	<b>internal thread nickel plated brass</b> Multi part compression fitting including elastomeric seal to connect with an external thread.	<b>swivel internal thread nickel plated brass</b> Multi part compression fitting including elastomeric seal. Swivel internal thread makes it suitable for connection to male threads. Internal thread swivels about the main body even after tightening.
IP66 IP67 IP68 IP69	IP66 IP67 IP68 IP69	IP66 IP67 IP68 IP69	IP66 IP67 IP68 IP69



#



nominal size (mm)	US trade size (")	outside dia (mm)	inside dia (mm)	metric thread part number	for PG thread size	for NPT thread size	metric thread part number	metric thread part number	metric thread part number
10	¼	11.8	7.0	LTP10-M12-C	PG7				
10				LTP10-M16-C					
12	⅝	14.2	10.0	LTP12-M16-C	PG9		LTP12-M16-S		
16	¾	17.8	12.6	LTP16-M16-C	PG11	050 (½")	LTP16-M16-S		
16				LTP16-M20-C	PG13	050 (½")	LTP16-M20-S		LTP16-M20-SF
20	½	21.1	16.0	LTP20-M20-C	PG16	050 (½")	LTP20-M20-S	LTP20-M20-F	LTP20-M20-SF
25	¾	26.4	21.0	LTP25-M25-C	PG21	075 (¾")	LTP25-M25-S	LTP25-M25-F	LTP25-M25-SF
32	1	33.1	26.5	LTP32-M32-C	PG29	100 (1")	LTP32-M32-S	LTP32-M32-F	
40	1¼	41.8	35.4	LTP40-M40-C	PG36	125 (1¼")	LTP40-M40-S	LTP40-M40-F	
50	1½	47.9	40.4	LTP50-M50-C	PG42	150 (1½")	LTP50-M50-S	LTP50-M50-F	
63	2	59.7	51.6	LTP63-M63-C	PG48	200 (2")			

# When ordering PG or NPT please see below.

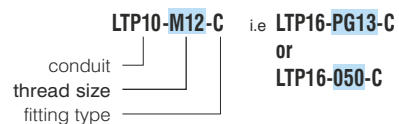
## Ordering Notes

- Add reel length eg: LTP20B-25M for a 25m reel
- For LTP specify colour (B = Black, G = Grey)
- \* Indicates parts made to order on request and may be subject to MOQ and lead time
- + Double interlock section

- **Available on request:**
  - longer lengths and bulk packaging
  - cut lengths and assemblies
  - C-S with PG threads
  - other colours
  - internal thread fittings

## How to read the fittings code

**Note:** For PG or NPT thread types please insert thread size listed to obtain part number





# properties

- High mechanical strength
- IP rating: IP66 + IP67 + IP68 (5 bar) + IP69
- Temperature range  
-50°C to +135°C
- Oil resistant
- UV resistant
- Nickel Plated Brass Fittings
- Earthing ferrule is manufactured in machined Nickel Plated Brass to facilitate easy assembly and re-use

- Stainless steel fittings also available see page 105
- Metric threads supplied with Insulated Throats
- PG and NPT threads supplied without Insulated Throats
- Swivel fittings allows the thread to swivel about the main body even after tightening
- For compatible conduits see page 98, 99 and 100

- Vibration and shock tested to EN61373 Cat 2
- Conforms to EN 61386
- Interchangeable with all Liquidtight conduits made to American (UL360) sizes.
- For UL listed fittings see page 104

C90	C45	Coupler	FW	E
<b>external thread nickel plated brass</b> 90° multipart compression fitting including elastomeric seal. Can be used for knockouts.	<b>external thread nickel plated brass</b> 45° multipart compression fitting including elastomeric seal. Can be used for knockouts.	<b>nickel plated brass</b> Multi part compression coupler including elastomeric seals to connect with an external thread.	<b>fibre, retained face sealing washers</b> Retained sealing washer to maintain IP rating of fitting to adjacent equipment.	<b>insert nickel plated brass</b> Single part, machined insert to cap end of conduit.
IP66 IP67 IP68 IP69	IP66 IP67 IP68 IP69	IP66 IP67 IP68 IP69	IP66 IP67 IP68 IP69	



metric thread part number



metric thread part number



part number



metric thread part number



part number

					inside dia (mm)	outside dia (mm)	US trade size (")	nominal size (mm)
				LTP10-E	7.0	11.8	¼	10
				LTP10-E				10
LTP12-M16-C90				LTP12-E	10.0	14.2	5/16	12
LTP16-M16-C90				LTP16-E	12.6	17.8	½	16
LTP16-M20-C90	LTP16-M20-C45	LTP16-LTP16	FW16	LTP16-E				16
LTP20-M20-C90	LTP20-M20-C45	LTP20-LTP20	FW20	LTP20-E	16.0	21.1	½	20
LTP25-M25-C90	LTP25-M25-C45	LTP25-LTP25	FW25	LTP25-E	21.0	26.4	¾	25
LTP32-M32-C90	LTP32-M32-C45	LTP32-LTP32	FW32	LTP32-E	26.5	33.1	1	32
LTP40-M40-C90	LTP40-M40-C45	LTP40-LTP40	FW40	LTP40-E	35.4	41.8	1¼	40
LTP50-M50-C90	LTP50-M50-C45		FW50	LTP50-E	40.4	47.9	1½	50
LTP63-M63-C90	LTP63-M63-C45		FW63	LTP63-E	51.6	59.7	2	63

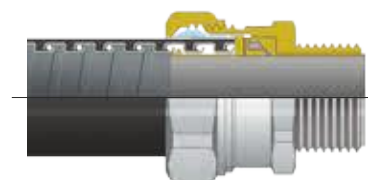
## Standards & Approvals



BS EN IEC 61386



## Technical Drawing





# Liquid Tight Conduit fittings

UL listed fittings and stainless steel fittings



- IP66
- IP67
- IP68
- IP69

## Fittings

C-UL	NEW	C-UL90	NEW	C-UL45	NEW
<p><b>external thread nickel plated brass</b></p> <p>Multipart compression fitting including nylon compression seal. Can be used for knockout or threaded entries as fitting rotates until tightened. UL Listed to UL514B.</p>		<p><b>external thread nickel plated brass</b></p> <p>90° multipart compression fitting including nylon compression seal. Can be used for knockouts. UL Listed to UL514B.</p>		<p><b>external thread nickel plated brass</b></p> <p>45° multipart compression fitting including nylon compression seal. Can be used for knockouts. UL Listed to UL514B.</p>	
<ul style="list-style-type: none"> <li style="background-color: #0070c0; color: white; padding: 2px;">IP66</li> <li style="background-color: #0070c0; color: white; padding: 2px;">IP67</li> <li style="background-color: #0070c0; color: white; padding: 2px;">IP68</li> <li style="background-color: #0070c0; color: white; padding: 2px;">IP69</li> </ul>		<ul style="list-style-type: none"> <li style="background-color: #0070c0; color: white; padding: 2px;">IP66</li> <li style="background-color: #0070c0; color: white; padding: 2px;">IP67</li> <li style="background-color: #0070c0; color: white; padding: 2px;">IP68</li> <li style="background-color: #0070c0; color: white; padding: 2px;">IP69</li> </ul>		<ul style="list-style-type: none"> <li style="background-color: #0070c0; color: white; padding: 2px;">IP66</li> <li style="background-color: #0070c0; color: white; padding: 2px;">IP67</li> <li style="background-color: #0070c0; color: white; padding: 2px;">IP68</li> <li style="background-color: #0070c0; color: white; padding: 2px;">IP69</li> </ul>	



nominal size (mm)  
US trade size (")  
outside dia (mm)  
inside dia (mm)

metric thread part number

NPT thread size

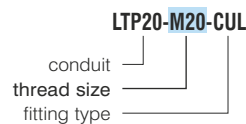
metric thread part number

metric thread part number

nominal size (mm)	US trade size (")	outside dia (mm)	inside dia (mm)	metric thread part number	NPT thread size	metric thread part number	metric thread part number
10	¼	11.8	7.0				
12	⅝	14.2	10.0				
16	¾	17.8	12.6	LTP16-M20-CUL	LTP16-050-CUL (½")	LTP16-M20-CUL90	LTP16-M20-CUL45
20	1	21.1	16.0	LTP20-M20-CUL	LTP20-050-CUL (¾")	LTP20-M20-CUL90	LTP20-M20-CUL45
25	1 ¼	26.4	21.0	LTP25-M25-CUL	LTP25-075-CUL (1")	LTP25-M25-CUL90	LTP25-M25-CUL45
32	1 ½	33.1	26.5	LTP32-M32-CUL	LTP32-100-CUL (1 ¼")	LTP32-M32-CUL90	LTP32-M32-CUL45
40	1 ¾	41.8	35.4	LTP40-M40-CUL	LTP40-125-CUL (1 ½")	LTP40-M40-CUL90	LTP40-M40-CUL45
50	2	47.9	40.4	LTP50-M50-CUL	LTP50-150-CUL (1 ¾")	LTP50-M50-CUL90	LTP50-M50-CUL45
63	2 ½	59.7	51.6	LTP63-M63-CUL	LTP63-200-CUL (2")	LTP63-M63-CUL90	LTP63-M63-CUL45



## How to read the fittings code



# properties





- High mechanical strength
- IP rating: IP66 + IP67 + IP68 (5 bar) + IP69
- Temperature range -50°C to +135°C
- Oil resistant
- UV resistant
- Earthing ferrule is manufactured in machined Nickel Plated Brass to facilitate easy assembly and re-use

## UL Listed fittings:

- Nickel Plated Brass Fittings
- C-UL fittings listed to UL514B
- UL Listed for use in USA and Canada (file No. E247502). Suitable for use in hazardous locations as per NEC Article 501 (B)(2) Class I Div 2, Article 502 (A)(2) & (B)(2) Class II Div 1&2, Article 503 (A)(3) & (B)(3) Class III Div 1&2
- Supplied with fibre washer face seal
- Metric Threads supplied with NPB locknut

## Stainless Steel fittings:

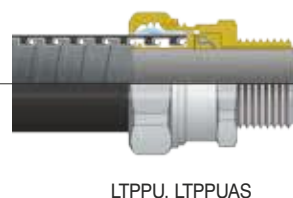
- Stainless steel fittings manufactured from SS 316L - offer superior corrosion resistance
- Metric threads supplied with Insulated Throats
- For compatible conduits see page 98, 99 and 100
- Vibration and shock tested to EN61373 Cat 2
- Conforms to EN 61386
- Interchangeable with all Liquidtight conduits made to American (UL360) sizes.

C-SS		C90-SS		LOCKNUT-SS		FCC-SS					
<b>external thread stainless steel</b>		<b>external thread stainless steel (316L)</b>		<b>stainless steel (316L) locknuts</b>		<b>stainless steel (316L) P clips</b>					
Multipart compression fitting with Stainless Steel (316L) body and nut and nickel plated brass insert, including elastomeric seal. Can be used for knockout or threaded entries as fitting rotates until tightened.		90° multipart compression fitting with Stainless Steel (316L) body and nut and nickel plated brass insert, including elastomeric seal. Can be used for knockouts.		Hexagonal locknut to secure fitting.		P clip to support conduit.					
<div style="display: flex; justify-content: space-around;"> <div style="background-color: #0070C0; color: white; padding: 2px;">IP66</div> <div style="background-color: #0070C0; color: white; padding: 2px;">IP67</div> <div style="background-color: #0070C0; color: white; padding: 2px;">IP68</div> <div style="background-color: #0070C0; color: white; padding: 2px;">IP69</div> </div>		<div style="display: flex; justify-content: space-around;"> <div style="background-color: #0070C0; color: white; padding: 2px;">IP66</div> <div style="background-color: #0070C0; color: white; padding: 2px;">IP67</div> <div style="background-color: #0070C0; color: white; padding: 2px;">IP68</div> <div style="background-color: #0070C0; color: white; padding: 2px;">IP69</div> </div>									
											
metric thread part number		metric thread part number		part number		part number					
								inside dia (mm)	outside dia (mm)	US trade size (")	nominal size (mm)
								7.0	11.8	¼	10
								10.0	14.2	⅝	12
LTP16-M16-CSS				SS-M16		FCC16-SS		12.6	17.8	¾	16
LTP16-M20-CSS				SS-M20		FCC16-SS		16.0	21.1	½	20
LTP20-M20-CSS		LTP16-M20-CSS90		SS-M20		FCC20-SS		21.0	26.4	¾	25
LTP25-M25-CSS		LTP20-M20-CSS90		SS-M25		FCC25-SS		26.5	33.1	1	32
LTP32-M32-CSS		LTP25-M25-CSS90		SS-M32		FCC32-SS		35.4	41.8	1¼	40
LTP40-M40-CSS		LTP32-M32-CSS90		SS-M40		FCC40-SS		40.4	47.9	1½	50
LTP50-M50-CSS				SS-M50		FCC50-SS		51.6	59.7	2	63
LTP63-M63-CSS*				SS-M63*		FCC63-SS*					

## Standards & Approvals



## Technical Drawing





# Hazardous area liquid tight conduit solutions EXD Conduit Glands

**NEW**

flameproof EXD barrier cable gland

**properties**

- IP Rating: IP66 + IP67 + IP68 (5 bar) + IP69
- Material: Nickel Plated Brass or Stainless Steel (316L)
- Suitable for threaded entries or knockouts
- Operating Temperature of gland -60°C to +85°C
- High mechanical strength
- Can be used in Zone 1, Zone 2, Zone 20, Zone 21 and Zone 22 Hazardous areas
- ATEX and IECEx Ex d (Flameproof)
- ATEX and IECEx Ex e (Increased Safety)
- ATEX and IECEx Ex ta (Dust Ignition Protection) EAC CoC NO.
- No TC RU C-GB.BH02.B.00386

## Glands

### Standards



BS EN IEC 61386



### Hazardous Area Approvals

Group I	ATEX APPROVAL to EN60079-0 2012	CML Certificate no:	CML 15ATEX1037X	Ex
	Ex d Flameproof	Ex d I Mb	EN 60079-1 2007	
	Ex e Increased Safety	Ex e I Mb	EN 60079-7 2007	
Group I	IECEx APPROVAL to IEC60079-0 2011	CML Certificate no:	CML 15.0020X	IEC IECEx
	Ex d Flameproof	Ex d I Mb	IEC 60079-1 2014-06	
	Ex e Increased Safety	Ex e I Mb	IEC 60079-7 2006-7	
Group II	ATEX APPROVAL to EN60079-0 2012	CML Certificate no:	CML 15ATEX1037X	Ex
	Ex d Flameproof	Ex d II C Gb	EN 60079-1 2007	
	Ex e Increased Safety	Ex e II C Gb	EN 60079-7 2007	
	Ex ta Dust Ignition Proof	Ex ta IIIC Da IP6X	IEC 60079-31 2009	
Group II	IECEx APPROVAL to IEC60079-0 2011	CML Certificate no:	CML 15.0020X	IEC IECEx
	Ex d Flameproof	Ex d II C Gb	IEC 60079-1 2014-06	
	Ex e Increased Safety	Ex e II C Gb	IEC 60079-7 2006-7	
	Ex ta Dust Ignition Proof	Ex ta IIIC Da IP6X	IEC 60079-31 2013	

### LTP - EXD

**NEW**

**Construction:** Nickel Plated Brass gland with a nylon and elastomeric seal and two part epoxy resin pack. Supplied in boxes of one, complete with instructions and gloves.

**Typical Applications:** Flameproof barrier gland offering a high specification, high quality solution for Ex d, Ex e and Ex ta applications.  
IP rating: IP66 + IP67 + IP68 (5 bar) + IP69



IP66 IP67 IP68 IP69

### LTP - EXD - SS

**NEW**

**Construction:** Stainless steel (grade 316L) gland with a nylon and elastomeric seal and two part epoxy resin pack. Supplied in boxes of one, complete with instructions and gloves.

**Typical Applications:** Flameproof barrier gland offering a high specification, high quality solution for Ex d, Ex e and Ex ta applications where additional corrosion resistance is required.  
IP rating: IP66 + IP67 + IP68 (5 bar) + IP69



IP66 IP67 IP68 IP69

To fit nominal size (mm)	metric thread part number	NPT thread part number	To fit nominal size (mm)	metric thread part number	NPT thread part number
16	LTP16-M20-EXD	LTP16-050-EXD	16	LTP16-M20-EXD-SS	LTP16-050-EXD-SS
20	LTP20-M20-EXD	LTP20-050-EXD	20	LTP20-M20-EXD-SS	LTP20-050-EXD-SS
25	LTP25-M25-EXD	LTP25-075-EXD	25	LTP25-M25-EXD-SS	LTP25-075-EXD-SS
32	LTP32-M32-EXD	LTP32-100-EXD	32	LTP32-M32-EXD-SS	LTP32-100-EXD-SS
40	LTP40-M40-EXD	LTP40-125-EXD	40	LTP40-M40-EXD-SS	LTP40-125-EXD-SS
50	LTP50-M50-EXD	LTP50-150-EXD	50	LTP50-M50-EXD-SS	LTP50-150-EXD-SS
63	LTP63-M63-EXD	LTP63-200-EXD	63	LTP63-M63-EXD-SS	LTP63-200-EXD-SS

Used with the following conduits:- as featured on pages 98, 99 & 100



LTP / LTPAS



LTPHC



LTPLFH



LTPPU / LTPPUAS



# properties

- IP Rating: IP66 + IP67 + IP68 (5 bar)
- Material: Nickel Plated Brass
- Suitable for threaded entries
- Operating Temperature of gland -60°C to +85°C
- High mechanical strength
- Can be used in Zone 1, Zone 2, Zone 20, Zone 21 and Zone 22 Hazardous areas
- ATEX and IECEx Ex d (Flameproof)
- ATEX and IECEx Ex e (Increased Safety)
- ATEX and IECEx Ex ta (Dust Ignition Protection)
- Also available as Stainless Steel (316L) on request\*



## Hazardous Area Approvals

<b>ATEX APPROVAL to EN60079-0 2012</b>	<b>CML Certificate no: CML 15ATEX1037X</b>	
Ex d Flameproof	Ex d II C Gb	
Ex e Increased Safety	Ex e II C Gb	
Ex ta Dust Ignition Proof	Ex ta IIIC Da IP6X	

<b>IECEx APPROVAL to IEC60079-0 2012</b>	<b>CML Certificate no: CML 15.0020X</b>	
Ex d Flameproof	Ex d II C Gb	
Ex e Increased Safety	Ex e II C Gb	
Ex ta Dust Ignition Proof	Ex ta IIIC Da IP6X	



### LTP - EXD - 90

NEW

**Construction:** 90° elbow, Nickel Plated Brass gland with a nylon and elastomeric seal and two part epoxy resin pack. Supplied in boxes of one complete with instructions and gloves.

**Typical Applications:** Flameproof barrier gland ideal for use when there is restricted space to terminate into an enclosure / equipment. IP rating: IP66 + IP67 + IP68 (5 bar)



IP66 IP67 IP68

To fit nominal size (mm)

metric thread part number

16	LTP16-M20-EXD-90
20	LTP20-M20-EXD-90
25	LTP25-M25-EXD-90
32	LTP32-M32-EXD-90
40	LTP40-M40-EXD-90
50	LTP50-M50-EXD-90
63	LTP63-M63-EXD-90

### LTP - EXD - 45

NEW

**Construction:** 45° elbow, nickel plated brass gland with a nylon and elastomeric seal and two part epoxy resin pack. Supplied in boxes of one complete with instructions and gloves.

**Typical Applications:** Flameproof barrier gland ideal for use when there is restricted space to terminate into an enclosure / equipment. IP rating: IP66 + IP67 + IP68 (5 bar)



IP66 IP67 IP68

To fit nominal size (mm)

metric thread part number

16	LTP16-M20-EXD-45
20	LTP20-M20-EXD-45
25	LTP25-M25-EXD-45
32	LTP32-M32-EXD-45
40	LTP40-M40-EXD-45
50	LTP50-M50-EXD-45
63	LTP63-M63-EXD-45

\* Indicates parts made to order on request and may be subject to MOQ and lead time.



LTPSS



LTPUL



LTPRDP



LTPRDLFH



# Hazardous area liquid tight conduit solutions

NEW

## EXE - Increased Safety and Dust Ignition Proof

properties

- IP Rating: IP66 for Ex e and Ex t applications
- IP Rating: IP67 + IP68 (5 bar) + IP69 for industrial applications
- Material: Nickel Plated Brass
- Suitable for knockouts or threaded entries
- Operating Temperature of fitting -20°C to +85°C for Ex e and Ex t applications
- High mechanical strength and electrical continuity
- Operating Temperature of fitting -50°C to +135°C for industrial applications
- Can be used in Zone 1, Zone 2, Zone 21 and Zone 22 Hazardous areas when used with Flexicon's Liquid Tight range of flexible conduits
- ATEX and IECEx Ex e (Increased Safety)
- ATEX and IECEx Ex t (Dust Ignition Protection)
- Vibration and shock resistant to EN61373 Cat 2

### Hazardous Area Approvals

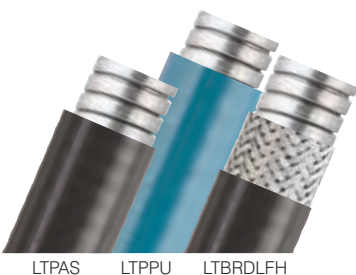
Group II	<b>ATEX APPROVAL to EN60079-0 2009</b>		<b>Intertek Certificate no: ITS 14ATEX37958U</b>	
	Ex e Increased Safety	Ex e II Gb	EN 60079-7 2007	
	Ex tb Dust Ignition Proof	Ex tb IIIC Da IP6X	EN 60079-31 2009	
	<b>IECEx APPROVAL to IEC60079-0 2007</b>		<b>Intertek Certificate no: IECEx ITS 14.005U</b>	
Ex e Increased Safety	Ex e II Gb	IEC 60079-7 2006		
	Ex tb Dust Ignition Proof	Ex tb IIIC Da IP6X	IEC 60079-31 2008	

Offering Ex e (Increased Safety) and Ex t (Dust Ignition Protection) performance with any Liquid Tight Conduits



LTP - EXE <span style="float: right;">NEW</span>				LTP - EXE - 90 <span style="float: right;">NEW</span>				LTP - EXE - 45 <span style="float: right;">NEW</span>			
<b>external thread nickel plated brass</b> Multipart compression fitting including elastomeric seal. Can be used for knockout or threaded entries as fitting rotates until tightened.				<b>external thread nickel plated brass</b> 90° multipart compression fitting including elastomeric seal. Can be used for knockout.				<b>external thread nickel plated brass</b> 90° multipart compression fitting including elastomeric seal. Can be used for knockout.			
IP66				IP66				IP66			
nominal size (mm)	metric thread part number	PG thread	NPT thread part number	metric thread part number				metric thread part number			
16	LTP16-M16-EXE	LTP16-PG11-EXE	LTP16-050-EXE (1/2")	LTP16-M16-EXE-90				LTP16-M16-EXE-45			
16	LTP16-M20-EXE	LTP16-PG13-EXE		LTP16-M20-EXE-90				LTP16-M20-EXE-45			
20	LTP20-M20-EXE	LTP20-PG16-EXE	LTP20-050-EXE (1/2")	LTP20-M20-EXE-90				LTP20-M20-EXE-45			
25	LTP25-M25-EXE	LTP25-PG21-EXE	LTP25-075-EXE (3/4")	LTP25-M25-EXE-90				LTP25-M25-EXE-45			
32	LTP32-M32-EXE	LTP32-PG29-EXE	LTP32-100-EXE (1")	LTP32-M32-EXE-90				LTP32-M32-EXE-45			
40	LTP40-M40-EXE	LTP40-PG36-EXE	LTP40-125-EXE (1 1/4")	LTP40-M40-EXE-90				LTP40-M40-EXE-45			
50	LTP50-M50-EXE	LTP50-PG42-EXE	LTP50-150-EXE (1 1/2")	LTP50-M50-EXE-90				LTP50-M50-EXE-45			
63	LTP63-M63-EXE	LTP63-PG48-EXE	LTP63-200-EXE (2")	LTP63-M63-EXE-90				LTP63-M63-EXE-45			

### Used with

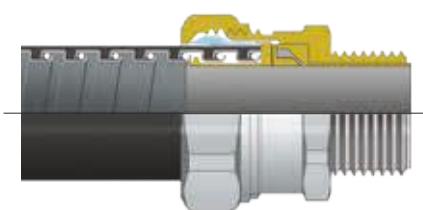


LTPAS LTPPU LTBRDLFH  
or any of the LTP conduit types, see page 98

### Standards



### Technical Drawing



LTP - EXE

# Flexicon EXD Accessories Range

## properties

- ATEX Certification Detail  
IEC Ex Certification Detail
- Continuous Operating Temperature:  
-60°C to +200°C
- Ingress Protection Rating: Up to IP68 when fitted with a suitable Sealing Washer
- Materials: Nickel Plated Brass
- Optional Accessories: Locknut, Serrated Washer, Earth Tag, Sealing Washer. See page 128

Designed to provide a permanent or temporary means of blanking unused cable entry holes in Flameproof enclosures enabling the equipment to be safely deployed in the Hazardous Area. Always inserted from the outside of the enclosure, we have a range of stopping plug options depending on the required installation method.

## Accessories

Our range of thread converters and adaptors are designed for both Industrial and Hazardous Area applications with Ex "d", Ex "e" and Ex "ta" component approval.

Available with male to female connection threads these products can be used to increase, reduce or convert the thread type.

Thread convertor – converts a thread from one specification to another. i.e. Metric to NPT or Metric to PG

Thread adaptors – reduces a male thread to a smaller female thread. i.e. M20 to M16 or enlarges a male thread to a larger female thread. i.e. M16 up to M20.

Technical Data	
ATEX Directive Code	I M2/II 2 G D/II 1 D
ATEX & IECEx Protection concepts	Ex db I/IIC Mb/Gb; Ex eb I/IIC Mb Gb; Ex ta IIIC Da
Harmonized Standards	EN/IEC 60079-0; EN/IEC 60079-1; EN/IEC 60079-7; EN/IEC 60079-31

**Note:** Only one thread convertor or adaptor is allowed between the enclosure entry and the Flexicon gland or fitting

## EXD Thread Converters and Adaptors

NEW

Our thread converters are Nickel Plated Brass as standard.

Internal Metric to External Metric

Female Thread - Internal

Male Thread - External	M16	M20	M25	M32	M40	M50
M16		<b>B-M16-M20-EXD</b>				
M20	<b>B-M20-M16-EXD</b>		<b>B-M20-M25-EXD</b>			
M25		<b>B-M25-M20-EXD</b>		<b>B-M25-M32-EXD</b>		
M32			<b>B-M32-M25-EXD</b>		<b>B-M32-M40-EXD</b>	
M40				<b>B-M40-M32-EXD</b>		
M50				<b>B-M50-M32-EXD</b>	<b>B-M50-M40-EXD</b>	
M63					<b>B-M63-M40-EXD</b>	<b>B-M63-M50-EXD</b>

Internal Metric to External NPT

Female Thread - Internal

Male Thread - External	M20	M25	M32
1/2"	<b>B-050-M20-EXD</b>		
3/4"	<b>B-075-M20-EXD</b>	<b>B-075-M25-EXD</b>	
1"			<b>B-100-M32-EXD</b>

To obtain Adaptor & Reducer nominal dimensions, follow the steps below:- **Step 1** - Select male thread by consulting the left hand column of the table. **Step 2** - Select the female thread size by consulting column headings at the top of tables, and by cross referencing this with the selection in step 1. Please note that the data in the tables above includes Adaptors and Reducers that are certified for use in Hazardous Areas.

## EXD Stopping Plugs

NEW

Our stopping plugs are Nickel Plated Brass as standard.



Size Range

Standard

Dome Head

Hex Head

M16	<b>B-M16-SP-EXD</b>	<b>B-M16-DSP-EXD</b>	<b>B-M16-HSP-EXD</b>
M20	<b>B-M20-SP-EXD</b>	<b>B-M20-DSP-EXD</b>	<b>B-M20-HSP-EXD</b>
M25	<b>B-M25-SP-EXD</b>	<b>B-M25-DSP-EXD</b>	<b>B-M25-HSP-EXD</b>
M32	<b>B-M32-SP-EXD</b>	<b>B-M32-DSP-EXD</b>	<b>B-M32-HSP-EXD</b>
M40	<b>B-M40-SP-EXD</b>	<b>B-M40-DSP-EXD</b>	<b>B-M40-HSP-EXD</b>
M50	<b>B-M50-SP-EXD</b>	<b>B-M50-DSP-EXD</b>	<b>B-M50-HSP-EXD</b>
M63	<b>B-M63-SP-EXD</b>	<b>B-M63-DSP-EXD</b>	<b>B-M63-HSP-EXD</b>

## Tamperproof

The tamperproof stopping plugs can be installed or removed using an allen key. We offer standard stopping plugs or Dome Head type allen key stopping plugs.

### Technical Data - Dome Head and Tamperproof Stopping Plugs

ATEX Directive Code	I M2/II 2 G D/II 1 D
ATEX & IECEx Protection concepts	Ex db I/IIC Mb/Gb; Ex eb I/IIC Mb Gb; Ex ta IIIC Da
Harmonized Standards	EN/IEC 60079-0; EN/IEC 60079-1; EN/IEC 60079-7; EN/IEC 60079-31

## Hex Head

The Hex head stopping plugs can be installed or removed with a standard open ended or ring type spanner or wrench.

### Technical Data - Hexagon Head Stopping Plug

ATEX Directive Code	I M2/II 2GD
ATEX & IECEx Protection concepts	Ex e I Mb, Ex e IIC Gb; Ex tb IIIC Db
IEC Ex Code of Protection Category	Ex d I / Ex e I / Ex d IIC / Ex e II, Ex tD A21 IP6X
Harmonized Standards	EN/IEC 60079-0; EN/IEC 60079-1; EN/IEC 60079-7; EN/IEC 60079-31

Ex e and Ex t approvals



# LTPBRD system

galvanised steel core,  
thermoplastic elastomer coated  
and stainless steel overbraid



## Conduit

## Fittings

### LTPBRD



**Construction:** Galvanised steel, helically wound, flexible conduit with thermoplastic elastomer cover (same as LTPHC) and stainless steel (grade 316) overbraid.

**Typical Applications:** Very arduous industrial environments such as steel works.

- High mechanical strength
- Good flexibility
- IP rating: IP66 + IP67 + IP68 (5 bar) + IP69
- Wide Temperature range -60°C to +150°C
- High abrasion resistance
- Very high tensile strength
- High corrosion performance
- Vibration and shock tested to EN61373 Cat 2
- Inherent Anti-Static performance properties
- EMC screening performance – Standard

### C

#### external thread nickel plated brass

Multipart compression fitting including elastomeric seal. Can be used for knockout. Braid is locked between inner and outer compression nuts.

- IP66
- IP67
- IP68
- IP69

### C-S

#### swivel external thread nickel plated brass

Multipart compression fitting including elastomeric seal can be used for knockouts or threaded entries. Braid is locked between inner and outer compression nuts.

- IP66
- IP67
- IP68
- IP69



nominal size (mm)

### LTPBRD

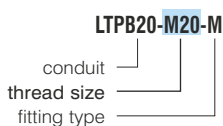
	part number	reel length (m)	reel length (m)	outside dia (mm)	inside dia (mm)
16	LTPBRD16	25	19.3	12.6	45
16					
20	LTPBRD20	25	22.6	16.0	65
25	LTPBRD25	25	27.9	21.0	100
32	LTPBRD32	25	34.6	26.5	135
40	LTPBRD40	10	43.3	35.4	175
50	LTPBRD50*+	10	49.3	40.4	230

	metric thread part number	metric thread part number
	LTPB16-M16-C	LTPB16-M16-S
	LTPB16-M20-C	LTPB16-M20-S
	LTPB20-M20-C	LTPB20-M20-S
	LTPB25-M25-C	LTPB25-M25-S
	LTPB32-M32-C	LTPB32-M32-S
	LTPB40-M40-C	LTPB40-M40-S
	LTPB50-M50-C*	LTPB50-M50-S*

## Ordering Notes

- Add reel length eg: LTPBRD20B-25M for 25m reel
- \* Indicates parts made to order on request and may be subject to MOQ and lead time
- + Double interlock section
- **Available on request:**
  - longer lengths
  - 45° available in sizes 16-50mm
  - cut lengths and assemblies
  - additional sizes
  - full copies of independent test report confirming screening effectiveness

## How to read the fittings code



## Standards



BS EN IEC 61386

















# properties

- High mechanical strength
- Good flexibility
- IP rating: IP66 + IP67 + IP68 (5 bar) + IP69
- Temperature range -60°C to +150°C
- High abrasion resistance
- Very high tensile strength
- Vibration and shock tested to EN61373 Cat 2
- Inherent Anti-Static performance properties
- IP Rating: IP66 + IP67 + IP68 (5 bar) + IP69
- Material: Nickel Plated Brass
- Suitable for threaded entries
- Operating Temperature of gland -60°C to +85°C
- Can be used with individual cores or oversheathed cable

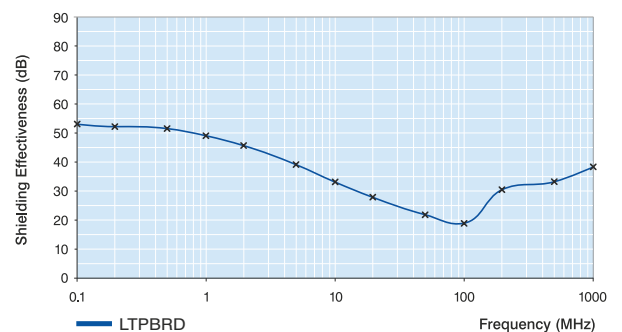


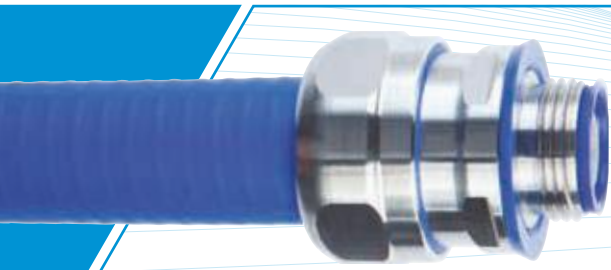
C90	LTPB - EXD <span style="background-color: #0070C0; color: white; padding: 2px;">NEW</span>	FW	locknuts	FCC					
<b>external threaded elbow nickel plated brass</b> Multipart compression fitting including elastomeric seal. Braid is locked between inner and outer compression nuts.	<b>nickel plated brass with a nylon and elastomeric seal and two part epoxy resin pack</b> Flameproof barrier gland for external braided conduit systems where high mechanical protection and / or EMC screening is required.	<b>fibre retained face sealing washers</b> Retained sealing washer to maintain IP rating of fitting to adjacent equipment.	<b>galvanised steel and nickel plated brass locknuts</b> Hexagonal locknut to secure fitting. EMC locknuts have raised corners to ensure good continuity.	<b>plated steel P clip with pvc liner, stainless steel P clips</b> P clip to support conduit.					
									
<div style="display: flex; justify-content: space-around;"> <div style="background-color: #0070C0; color: white; padding: 2px;">IP66</div> <div style="background-color: #0070C0; color: white; padding: 2px;">IP67</div> <div style="background-color: #0070C0; color: white; padding: 2px;">IP68</div> <div style="background-color: #0070C0; color: white; padding: 2px;">IP69</div> </div>	<div style="display: flex; justify-content: space-around;"> <div style="background-color: #0070C0; color: white; padding: 2px;">IP66</div> <div style="background-color: #0070C0; color: white; padding: 2px;">IP67</div> <div style="background-color: #0070C0; color: white; padding: 2px;">IP68</div> <div style="background-color: #0070C0; color: white; padding: 2px;">IP69</div> </div>	<div style="display: flex; justify-content: space-around;"> <div style="background-color: #0070C0; color: white; padding: 2px;">IP66</div> <div style="background-color: #0070C0; color: white; padding: 2px;">IP67</div> <div style="background-color: #0070C0; color: white; padding: 2px;">IP68</div> <div style="background-color: #0070C0; color: white; padding: 2px;">IP69</div> </div>							
									
metric thread part number	metric thread part number	NPT thread part number	metric thread steel part number	metric thread EMC part number	metric thread brass part number	plated steel part number	stainless steel part number	nominal size (mm)	
LTPB16-M16-C90			FW16	S-M16	B-M16	FCC16	FCC16-SS	16	
LTPB16-M20-C90			FW20					16	
LTPB20-M20-C90	LTPB20-M20-EXD	LTPB20-050-EXD	FW20	S-M20	B-M20-EMC	B-M20	FCC20	FCC20-SS	20
LTPB25-M25-C90	LTPB25-M25-EXD	LTPB25-075-EXD	FW25	S-M25	B-M25-EMC	B-M25	FCC25	FCC25-SS	25
LTPB32-M32-C90	LTPB32-M32-EXD	LTPB32-100-EXD	FW32	S-M32	B-M32-EMC	B-M32	FCC32	FCC32-SS	32
LTPB40-M40-C90	LTPB40-M40-EXD	LTPB40-125-EXD	FW40	S-M40	B-M40-EMC	B-M40	FCC40	FCC40-SS	40
LTPB50-M50-C90*	LTPB50-M50-EXD*	LTPB50-150-EXD*	FW50	S-M50	B-M50	FCC50	FCC50-SS	50	

## Hazardous Area Approvals

Group I	ATEX APPROVAL to EN60079-0 2012		CML Certificate no:	CML 15ATEX1037X	
	Ex d Flameproof	Ex d I Mb	EN 60079-1 2007		
	Ex e Increased Safety	Ex e I Mb	EN 60079-7 2007		
Group II	IECEx APPROVAL to IEC60079-0 2011		CML Certificate no:	CML 15.0020X	
	Ex d Flameproof	Ex d I Mb	IEC 60079-1 2014-06		
	Ex e Increased Safety	Ex e I Mb	IEC 60079-7 2006-7		
Group I	ATEX APPROVAL to EN60079-0 2012		CML Certificate no:	CML 15ATEX1037X	
	Ex d Flameproof	Ex d II C Gb	EN 60079-1 2007		
	Ex e Increased Safety	Ex e II C Gb	EN 60079-7 2007		
Group II	ATEX APPROVAL to EN60079-0 2012		CML Certificate no:	CML 15ATEX1037X	
	Ex ta Dust Ignition Proof	Ex ta IIIC Da IP6X	IEC 60079-31 2009		
	IECEx APPROVAL to IEC60079-0 2011		CML Certificate no:	CML 15.0020X	
Ex d Flameproof	Ex d II C Gb	IEC 60079-1 2014-06			
Ex e Increased Safety	Ex e II C Gb	IEC 60079-7 2006-7			
		Ex ta Dust Ignition Proof	Ex ta IIIC Da IP6X	IEC 60079-31 2013	

## EMC Screening Performance





# LTP-FG system

## LTBRDP-FG system

## LTPSS-FG system



IP66

IP67

IP68  
5 bar

IP69

## Conduit

LTP-FG	LTBRDP-FG	LTPSS-FG
<p><b>Construction:</b> Galvanised steel, helically wound, flexible conduit with smooth White or Blue PVC cover.</p> <p><b>Typical Applications:</b> Suitable for repeat contact with all food types, excluding fatty foods, at full temperature.</p> <p>The flexible PVC is manufactured from FDA approved ingredients and has been independently tested to European Food regulation 10/2011.</p>	<p><b>Construction:</b> Galvanised steel, helically wound, flexible conduit with galvanised steel braid and a White or Blue PVC smooth cover.</p> <p><b>Typical Applications:</b> Suitable for applications where high corrosion resistance and liquid tight are a requirement combined with EMC screening.</p> <p>The flexible PVC is manufactured from FDA approved ingredients and has been independently tested to European Food regulation 10/2011.</p>	<p><b>Construction:</b> Stainless steel (316L), helically wound, flexible PVC Blue smooth cover.</p> <p><b>Typical Applications:</b> Suitable for repeat contact with all food types, excluding fatty foods at full temperature.</p> <p>The PVC is manufactured from FDA approved ingredients and has been independently tested to European Food regulation 10/2011.</p>
<div style="display: flex; justify-content: space-around;"> <div style="background-color: #0070c0; color: white; padding: 2px;">IP66</div> <div style="background-color: #0070c0; color: white; padding: 2px;">IP67</div> <div style="background-color: #0070c0; color: white; padding: 2px;">IP68</div> <div style="background-color: #0070c0; color: white; padding: 2px;">IP69</div> </div>	<div style="display: flex; justify-content: space-around;"> <div style="background-color: #0070c0; color: white; padding: 2px;">IP66</div> <div style="background-color: #0070c0; color: white; padding: 2px;">IP67</div> <div style="background-color: #0070c0; color: white; padding: 2px;">IP68</div> <div style="background-color: #0070c0; color: white; padding: 2px;">IP69</div> </div>	<div style="display: flex; justify-content: space-around;"> <div style="background-color: #0070c0; color: white; padding: 2px;">IP66</div> <div style="background-color: #0070c0; color: white; padding: 2px;">IP67</div> <div style="background-color: #0070c0; color: white; padding: 2px;">IP68</div> <div style="background-color: #0070c0; color: white; padding: 2px;">IP69</div> </div>

nominal size (mm)	LTP-FG				LTBRDP-FG				LTPSS-FG			
	part number	reel length (m)	outside dia (mm)	inside dia (mm)	part number	reel length (m)	outside dia (mm)	inside dia (mm)	part number	reel length (m)	outside dia (mm)	inside dia (mm)
16	LTPWFG16	25	17.8	12.6					LTPSSBUEFG16	25	17.8	12.6
16												
20	LTPWFG20	10, 25	21.1	16.0	LTBRDPWFG20	10, 25	21.1	16.0	LTPSSBUEFG20	25	21.1	16.0
25	LTPWFG25	10, 25	26.4	21.0	LTBRDPWFG25	10, 25	26.4	21.0	LTPSSBUEFG25	25	26.4	21.0
32	LTPWFG32	10, 25	33.1	26.5	LTBRDPWFG32	10, 25	33.1	26.5	LTPSSBUEFG32	10	33.1	26.5
40	LTPWFG40	10	41.8	35.4	LTBRDPWFG40	10	41.8	35.4	LTPSSBUEFG40	10	41.8	35.4
50	LTPWFG50+	10	47.9	40.4	LTBRDPWFG50+	10	47.9	40.4	LTPSSBUEFG50+	10	47.9	40.4
63	LTPWFG63+	10	59.7	51.6								

Part number for White version shown above

Part number for White version shown above

## Ordering Notes

- For Blue cover substitute W for BU eg. LTPBUEFG20 or LTPBRDPBUEFG20 for 20mm size
- Add reel length eg: LTPWFG16-25M for 25m reel
- \* Indicates parts made to order on request and may be subject to MOQ and lead time
- + Double interlock section
- **Available on request:**
  - longer lengths
  - cut lengths and assemblies
  - additional sizes

## Standards



EN 1672-2

BS EN IEC 61386

EN IEC 61373 Cat 2

EU Regulation 10/2011

EN ISO 14159

# properties

- Hygienic design in accordance with EN1672-2 & EN ISO 14159
- Smooth finish eliminates build up of bacteria & micro-organisms
- High IP rating  
IP66, IP67, IP68 (2 Bar) & IP69
- Temperature range **-20°C to +105°C**
- Corrosion resistance Material type (SS316L)
- High chemical and thermal resistance
- Resistant to chemicals & cleaning agents
- Fewer components
- Ease of assembly and integrated barrier seal to prevent contamination
- Compatible with Hygienic Round Box  
- see page 126

**NEW**

**HG**  
HYGIENIC  
RANGE



## Fittings

### C-FG

#### external thread stainless steel food grade

Multipart compression fitting designed using principles given in EN1672-2 and EN ISO 14159. Manufactured from 316L stainless steel, complete with polyester elastomer compression seals to prevent ingress of food or bacteria. Can be used for knockout or threaded entries as fitting rotates until tightend. ST fittings are designed for use with Round Boxes on page 126. They have a shorter thread to maximise space within the box or enclosure.

IP66 IP67 IP68 IP69



part number

st fitting  
part number

LTP16-M16-C-FG	
LTP20-M20-C-FG	LTP20-M20ST-C-FG
LTP25-M25-C-FG	
LTP32-M32-C-FG	
LTP40-M40-C-FG	
LTP50-M50-C-FG	
LTP63-M63-C-FG*	

### FCC-SS

#### stainless steel (316L) P clips

P clip to support conduit.



part number

FCC16-SS
FCC16-SS
FCC20-SS
FCC25-SS
FCC32-SS
FCC40-SS
FCC50-SS
FCC63-SS*

### LOCKNUTS

#### stainless steel (316L) locknuts

Hexagonal locknut to secure fitting.



part number

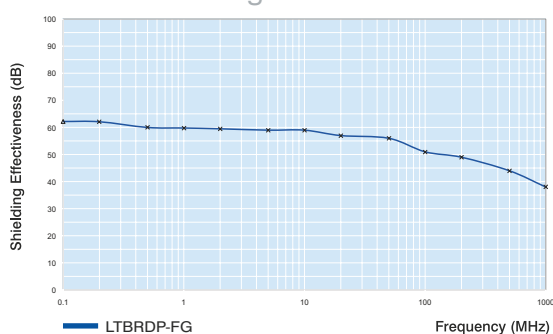
SS-M16
SS-M20
SS-M20
SS-M25
SS-M32
SS-M40
SS-M50
SS-M63

nominal size (mm)

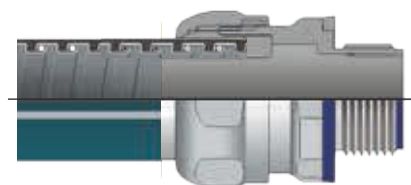
16
16
20
25
32
40
50
63

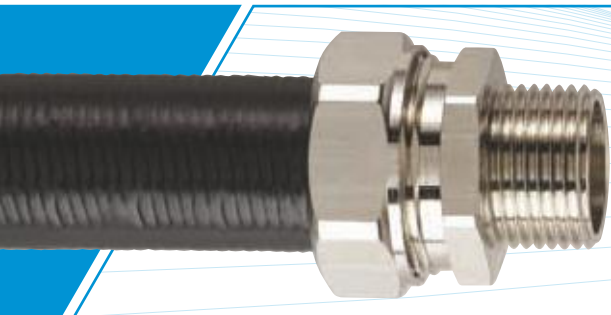
## EMC Screening Performance

EMC Screening Performance



## Technical Drawing





**FL system**  
galvanised steel pliable

**FLP system**  
galvanised steel  
pvc coated, pliable



## Conduit

**FL**

**Construction:** Corrugated galvanised steel with kraft paper lining.

**Colour:** Zinc self colour.

**Typical Applications:** Any installation where there is no movement.

- High compression strength
- Provides EMC screening
- IP rating: IP40
- Can be formed into shape requiring fewer clips
- Temperature range -40°C to +120°C
- Nickel plated brass fittings
- Inherently low fire hazard

## Fittings

**C Type**

**external thread nickel plated brass**

Multipart compression fitting including elastomeric compression seal. Can be used for knockout or threaded entries as fitting rotates until tightened. Provides EMC screening.

**IP40**

## Conduit

**FLP**

**Construction:** Corrugated galvanised steel with kraft paper lining and smooth pvc outer cover.

**Colour:** Black

**Typical Applications:** Any installation where there is no movement and a high IP rating is required.

- High compression strength
- Pull off strength: Type C 50kg (20mm)
- Provides EMC screening
- IP rating: IP66 + IP67 for Type C
- Smooth, wipe clean outer cover
- Does not wrinkle when bent
- Can be formed into shape requiring fewer clips
- Temperature range -15°C to +70°C
- Lloyd's Register Type Approved

## Fittings

**C Type**

**external thread nickel plated brass**

Multipart compression fitting including serrated elastomeric seal. Can be used for knockout or threaded entries as fitting rotates until tightened. Provides EMC screening once outer plastic sheath is trimmed from end of conduit (see diagram on page 141).

**IP40**



nominal size (mm)	FL				
	part number	reel length (m)	reel length (m)	outside dia (mm)	inside dia (mm)
16					
20	FL20	25	19.0	14.6	35
25	FL25	25	25.1	20.4	45
32					
40					
50					

metric thread part number
FL20-M20-C
FL25-M25-C

FLP	part number	reel length (m)	min inside bend radius (mm)	outside dia (mm)	inside dia (mm)
	FLP16B	25	35	17.8	11.6
	FLP20B	10,25,50	35	20.9	14.6
	FLP25B	10,25,50	45	27.3	20.4
	FLP32B	10,25	55	34.0	26.7
	FLP40B*	10,25	80	44.5	37.1
	FLP50B*	10,25	150	50.5	49.1

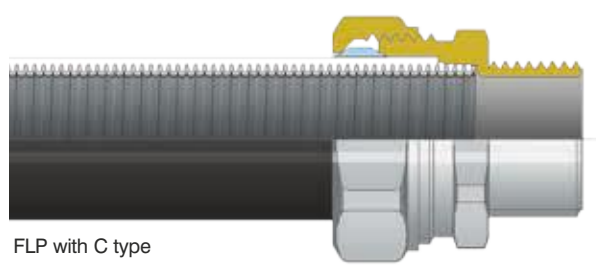
metric thread part number
FLP16-M16-C
FLP20-M20-C
FLP25-M25-C
FLP32-M32-C
FLP40-M40-C*
FLP50-M50-C*

## Standards



Note: refer to conduit properties for applicable standards

## Technical Drawing



FLP with C type

# Flexicon Ultrascreen™

**LFHP system**  
galvanised steel  
extra LFH coated, pliable

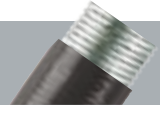


## Conduit



## Fittings

### LFHP



**Construction:** Corrugated galvanised steel with kraft paper lining and smooth extra LFH outer cover.

**Colour:** Black

**Typical Applications:** Any installation where there is no movement and a high IP rating is required.

- Pull off strength: Type C-HS 100kg (20mm)
- Extra low fire hazard, oil resistant and UV resistant
- Vibration and shock tested to EN61373 Cat 2
- High compression strength 570kg/100mm
- Provides EMC screening
- IP rating: IP66 + IP67 + IP68 (5 bar) + IP69
- Can be formed into shape requiring fewer clips
- Temperature range -25°C to +90°C
- Smooth, wipe clean outer cover
- Does not wrinkle when bent
- Lloyd's Register Type Approved
- Compliant to LUL Std S1085 (Cert No.297)
- NCAGE No. U5256
- EN 45545-2 to HL3 and NFPA 130 compliant

### C-HS

**external thread**  
brass - high specification

Multipart compression fitting including serrated elastomeric seal. Can be used for knockout or threaded entries as fitting rotates until tightened. Provides EMC screening once outer plastic sheath is trimmed from end of conduit (see diagram on page 141).



### F-HS

**internal thread**  
brass - high specification

Multipart compression fitting including serrated elastomeric seal. Provides EMC screening once outer plastic sheath is trimmed from end of conduit (see diagram on page 141).



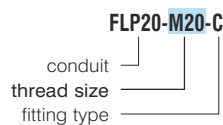
nominal size (mm)	LFHP part number	reel length (m)	min inside bend radius (mm)	outside dia (mm)	inside dia (mm)
16	LFHP16B	25	40	17.8	11.6
20	LFHP20B	25	40	20.9	14.6
25	LFHP25B	25	55	27.3	20.4
32	LFHP32B	25	65	34.0	26.7
40					
50					

metric thread part number	metric thread part number
FLP16-M16-C-HS*	FLP16-M16-F-HS*
FLP20-M20-C-HS*	FLP20-M20-F-HS*
FLP25-M25-C-HS*	FLP25-M25-F-HS*
FLP32-M32-C-HS*	FLP32-M32-F-HS*

## Ordering Notes

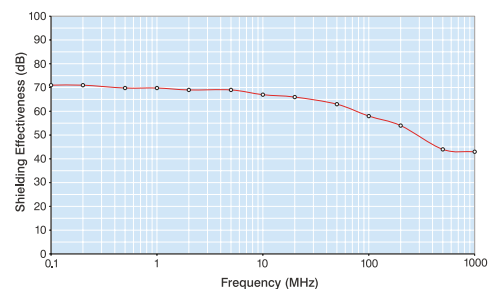
- Add reel length eg: FLP20B-25M for 25m reel
- Available on request:
  - longer lengths
  - cut lengths and assemblies
  - additional sizes
  - full copies of independent test report confirming screening effectiveness

## How to read the fittings code



\* Indicates parts made to order on request and may be subject to MOQ and lead time

## EMC Screening Performance





## FB system

galvanised steel core  
galvanised steel overbraid



## FUSSB system

galvanised steel core  
stainless steel overbraid



## Conduit

### FB



**Construction:** Galvanised steel, helically wound conduit with galvanised steel overbraid.

**Colour:** Zinc, self colour.

**Typical Applications:** Industrial environments and high temperatures.



### FUSSB



**Construction:** Galvanised steel, helically wound, flexible conduit with stainless steel (316) overbraid.

**Typical Applications:** Underground stations where LFH properties and EMC screening are required.



## Fittings

### M

#### fixed external thread nickel plated brass

Two part fitting comprising shell and body with external thread. This fitting can be inserted into a knockout and secured with a locknut.

IP40

### S

#### swivel external thread nickel plated brass

Two part fitting comprising shell and body. The external thread swivels about the main body. Can be used with threaded entries, or knockout secured with a locknut.

IP40



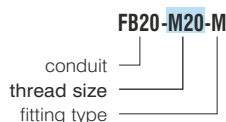
nominal size (mm)	FB		FUSSB			
	part number	part number	reel length (m)	outside dia (mm)	inside dia (mm)	min inside bend radius (mm)
12	FB12	FUSSB12*	25	14.0	10.2	30
16	FB16	FUSSB16*	25	17.5	13.0	40
20	FB20	FUSSB20	25	21.5	16.9	45
25	FB25	FUSSB25	25	26.0	21.1	55
32	FB32	FUSSB32	25	34.0	28.1	70
40	FB40	FUSSB40*	10	43.5	37.6	80
50	FB50	FUSSB50*	10	54.5	48.4	90

metric thread part number	PG thread part number	metric thread part number	PG thread part number
FB12-M16-M	FB12-PG9-M	FB12-M16-S	FB12-PG9-S
FB16-M16-M	FB16-PG11-M	FB16-M16-S	FB16-PG11-S
FB16-M20-M		FB16-M20-S	
FB20-M20-M	FB20-PG16-M	FB20-M20-S	FB20-PG16-S
FB25-M25-M	FB25-PG21-M	FB25-M25-S	FB25-PG21-S
FB32-M32-M	FB32-PG29-M	FB32-M32-S	FB32-PG29-S
FB40-M40-M	FB40-PG36-M	FB40-M40-S	FB40-PG36-S
FB50-M50-M	FB50-PG48-M	FB50-M50-S	FB50-PG42-S

## Ordering Notes

- Add reel length eg: FB20-25M for 25m reel
- \* Indicates parts made to order on request and may be subject to MOQ and lead time
- **Available on request:**
  - longer lengths, cut lengths and assemblies
  - additional sizes, stainless steel overbraided
  - PG threads, female threaded fittings
  - full copies of independent test report confirming screening effectiveness

## How to read the fittings code



## Standards









BS EN IEC 61386



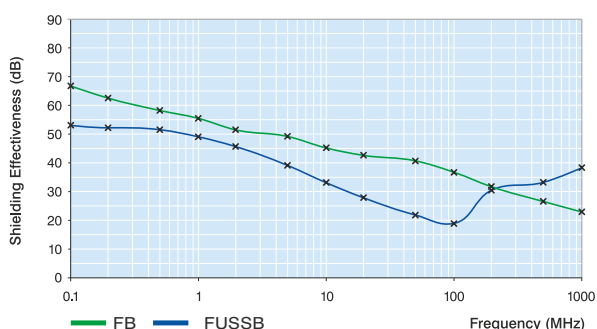
# properties

- High mechanical strength
- Highly flexible
- IP rating: IP40
- High abrasion resistance
- Resists hot metal swarf and splashes
- Provides EMC screening
- 55dB@1MHz (FB)
- 49dB@1MHz (FUSSB)
- Temperature range -100°C to +300°C
- Inherently Low Fire Hazard (LFH) see page 148
- Fully compliant to LUL Std S1085. (Cert No. 296)
- Nickel plated brass fittings
- EN45545-2 to HL3 and NFPA130

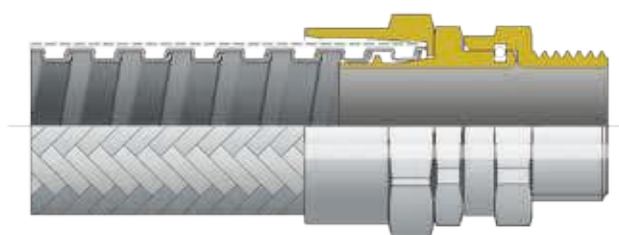


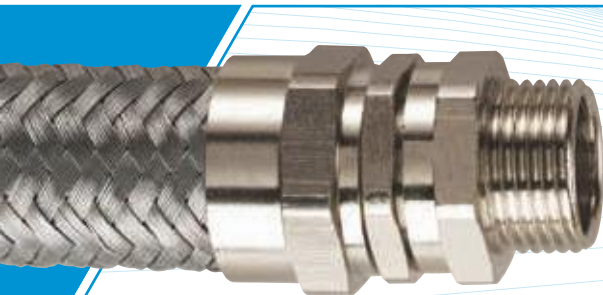
P	90° elbow	locknuts	FCC				
<p><b>plain hole connector nickel plated brass</b></p> <p>Two part fitting comprising shell and body without thread. The body is fitted through the opposite side of the entry to the conduit and acts as a locking device also providing a smooth entry bush.</p> <p><b>IP40</b></p>	<p><b>internal and external threaded nickel plated brass elbow</b></p> <p>90° elbow which can be screwed onto external threaded fittings.</p>	<p><b>galvanised steel and nickel plated brass locknuts</b></p> <p>Hexagonal locknut to secure fitting. EMC locknuts have raised corners to ensure good continuity.</p>	<p><b>plated steel P clip with pvc liner, stainless steel P clips</b></p> <p>P clip to support and secure conduit.</p>				
		 	 				
<p>hole size (mm)</p> <p>part number</p>	<p>metric thread part number</p>	<p>metric thread steel part number</p> <p>metric thread EMC part number</p> <p>metric thread brass part number</p>	<p>plated steel part number</p> <p>stainless steel part number</p>	<p>nominal size (mm)</p>			
12 16	FB12-P FB16-P	BM90-16M BM90-16M BM90-20M	S-M16 S-M16 S-M20 B-M20-EMC B-M20-EMC B-M20	FCC12 FCC16 FCC16	FCC12-SS FCC16-SS FCC16-SS	12 16 16	
20 25 32 40 51	FB20-P FB25-P FB32-P FB40-P FB50-P	BM90-20M BM90-25M BM90-32M BM90-40M BM90-50M	S-M20 S-M25 S-M25 S-M32 S-M40 S-M50	B-M20 B-M25-EMC B-M25-EMC B-M32-EMC B-M40-EMC B-M40-EMC B-M50	FCC20 FCC25 FCC25 FCC32 FCC40 FCC40 FCC50	FCC20-SS FCC25-SS FCC25-SS FCC32-SS FCC40-SS FCC40-SS FCC50-SS	20 25 25 32 40 40 50

## EMC Screening Performance



## Technical Drawing





**FSB system** galvanised steel core, pvc coated, galvanised steel overbraid



**LFHUBRD system** galvanised steel core, extra LFH coated, stainless steel overbraid



## Conduit

### FSB



**Construction:** Galvanised steel, helically wound, flexible conduit with pvc coating and galvanised steel overbraid.

**Colour:** Zinc, self colour.

**Typical Applications:** Industrial environments where higher abrasion resistance or screening are required.

### LFHUBRD



**Construction:** Galvanised steel, helically wound, flexible conduit with extra LFH coating and stainless steel (316) overbraid.

**Typical Applications:** Metro rail stations where LFH, EMC screening and anti-vandal properties are required. Compliant to LUL Std S1085 (Cert No.297).



## Fittings

### M

#### fixed external thread nickel plated brass

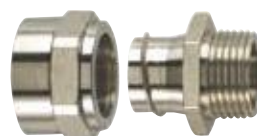
Two part fitting comprising shell and body with external thread. This fitting can be inserted into a knockout and secured with a locknut.



### S

#### swivel external thread nickel plated brass

Two part fitting comprising shell and body. The external thread swivels about the main body. Can be used with threaded entries, or knockout secured with a locknut.



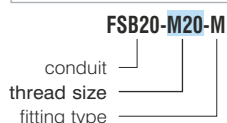
nominal size (mm)	FSB		LFHUBRD			
	part number	part number	reel length (m)	outside dia (mm)	inside dia (mm)	min inside bend radius (mm)
12	FSB12		25	15.2	10.2	30
16	FSB16		25	18.2	13.0	40
16		LFHUBRD16				
20	FSB20	LFHUBRD20	25	22.7	16.9	45
25	FSB25	LFHUBRD25	25	27.2	21.1	55
32	FSB32	LFHUBRD32	25	35.2	28.1	70
40	FSB40	LFHUBRD40	10	45.7	37.6	80
50	FSB50		10	57.7	48.4	90

metric thread part number	PG thread part number	metric thread part number	PG thread part number
FSB12-M16-M	FSB12-PG9-M	FSB12-M16-S	FSB12-PG9-S
FSB16-M16-M	FSB16-PG11-M	FSB16-M16-S	FSB16-PG11-S
FSB16-M20-M		FSB16-M20-S	
FSB20-M20-M	FSB20-PG16-M	FSB20-M20-S	FSB20-PG16-S
FSB25-M25-M	FSB25-PG21-M	FSB25-M25-S	FSB25-PG21-S
FSB32-M32-M	FSB32-PG29-M	FSB32-M32-S	FSB32-PG29-S
FSB40-M40-M	FSB40-PG36-M	FSB40-M40-S	FSB40-PG36-S
FSB50-M50-M	FSB50-PG48-M	FSB50-M50-S	FSB50-PG48-S

## Ordering Notes

- Add reel length eg: FSB20-25M for 25m reel
- Available on request:**
  - longer lengths, cut lengths and assemblies
  - additional sizes, stainless steel overbraided
  - PG threads, female threaded fittings
  - full copies of independent test report confirming screening effectiveness

## How to read the fittings code



## Standards



BS EN IEC 61386



Note: refer to conduit properties for applicable standards



# properties

- High mechanical strength
- Tensile strength **with standard fittings 120kg for 20mm size**
- Tensile strength **with C type fittings 300kg for 20mm size**
- Highly flexible
- IP rating: **IP54 for standard fittings, IP65 for C type fittings**
- High abrasion resistance
- Resists hot metal swarf and splashes
- Provides EMC screening
- Temperature range **-15°C to +70°C (FSB)**  
**-20°C to +90°C (LFHUBRD)**
- **LFHUBRD is extra low fire hazard**
- **Compliant to LUL Std S1085 (LFHUBRD) (Cert No. 297)**
- Nickel plated brass fittings
- Vibration and shock tested to EN61373 Cat 2
- LFHUBRD is EN45545-2 to HL3 and NFPA130

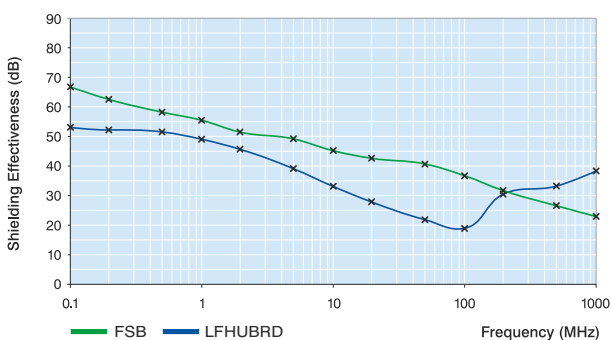


P	C	CS	C90
<p><b>plain hole connector nickel plated brass</b></p> <p>Two part fitting comprising shell and body without thread. The body is fitted through the opposite side of the entry to the conduit and acts as a locking device also providing a smooth entry bush.</p> <p><b>IP54</b></p>	<p><b>fixed external thread nickel plated brass</b></p> <p>Multipart compression fitting including elastomeric seal. Can be used for knockouts. Braid is locked between inner and outer compression nuts.</p> <p><b>IP65</b></p>	<p><b>swivel external thread nickel plated brass</b></p> <p>Multipart compression fitting including elastomeric seal can be used for knockouts or threaded entries. Braid is locked between inner and outer compression nuts.</p> <p><b>IP65</b></p>	<p><b>external thread elbow nickel plated brass</b></p> <p>Multipart 90° compression fitting including elastomeric seal. Braid is locked between inner and outer compression nuts.</p> <p><b>IP65</b></p>

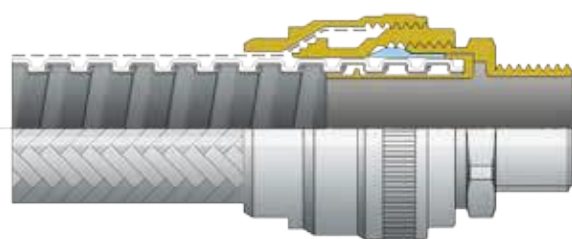


hole size (mm)	part number	metric thread part number	PG thread part number	metric thread part number	metric thread part number	nominal size (mm)
12	FSB12-P					12
16	FSB16-P	FSB16-M16-C	FSB16-PG11-C	FSB16-M16-C-S	FSB16-M16-C90	16
		FSB16-M20-C	FSB16-PG13-C	FSB16-M20-C-S	FSB16-M20-C90	16
20	FSB20-P	FSB20-M20-C	FSB20-PG16-C	FSB20-M20-C-S	FSB20-M20-C90	20
25	FSB25-P	FSB25-M25-C	FSB25-PG21-C	FSB25-M25-C-S	FSB25-M25-C90	25
32	FSB32-P	FSB32-M32-C	FSB32-PG29-C	FSB32-M32-C-S	FSB32-M32-C90	32
40	FSB40-P					40
50	FSB50-P					50

## EMC Screening Performance



## Technical Drawing





# FSS system stainless steel corrugated conduit

# FSSBRD system stainless steel corrugated conduit with overbraid



## Conduit

**FSS** NEW INHERENT LOW FIRE HAZARD \*\*\*

**Construction:** Stainless steel (316L) annularly corrugated conduit. Inherent Low Fire hazard performance with superior Ingress Protection (IP68) and excellent corrosion resistance.

**Typical Applications:** Metro rail stations and tunnels.

**Colour:** Self colour, also available in Black\* version on request

- IP rating: IP68
- Temperature range -100°C to +400°C
- High Mechanical Strength
- Pull off strength: 100kg (20mm)
- High compression strength 1000kg/100mm
- Inherent low fire hazard
- Compliant to LUL Std S1085 (Pending)
- EN 45545-2 to HL3 and NPFA 130 compliant
- Excellent Corrosion resistance
- Oil resistant
- UV resistant
- Provides EMC screening
- Offers Antistatic properties

IP68

EN 45545-2    NFPA 130

**FSSBRD** NEW INHERENT LOW FIRE HAZARD \*\*\* STANDARD EMC SCREEN \*

**Construction:** Stainless steel (316L) annularly corrugated conduit with stainless steel (316L) overbraid.

**Typical Applications:** Inherent Low Fire hazard performance with superior Ingress Protection (IP68), excellent corrosion resistance and enhanced EMC performance together with abrasion resistance. Metro rail stations and tunnels.

**Colour:** Self colour

- IP rating: IP68
- Temperature range -100°C to +400°C
- High Mechanical Strength
- High Abrasion resistance
- Pull off strength: 150kg (20mm)
- High compression strength 1000kg/100mm
- Inherent low fire hazard
- Compliant to LUL Std S1085 (Pending)
- EN 45545-2 to HL3 and NPFA 130 compliant
- Excellent Corrosion resistance
- Oil resistant
- UV resistant
- Provides EMC screening – Standard
- Offers Antistatic properties

IP68

EN 45545-2    NFPA 130

## Fittings

**C** NEW

**fixed external thread nickel plated brass**

Multipart compression fitting including conduit retention clip and polyester seal. Can be used with knockouts.

For BRD version, Braid is locked between inner and outer compression nuts.

**Colour:** Self colour or also available in Black for FSS version.

IP68

**S-F** NEW

**swivel internal thread nickel plated brass**

Multipart compression fitting including conduit retention clip and polyester seal. Swivel internal thread allows connection to external thread.

**Colour:** Self colour or also available in Black for FSS version.

IP68

nominal size (mm)	FSS					FSSBRD				
	part number	reel length (m)	outside dia (mm)	inside dia (mm)	min inside bend radius (mm)	part number	reel length (m)	outside dia (mm)	inside dia (mm)	min inside bend radius (mm)
20	FSS20	25	21.6	16.2	45	FSSBRD20	25	21.6	16.2	60
25	FSS25	25	26.8	20.2	55	FSSBRD25	25	28.3	20.2	70
32	FSS32*	25	32.5	25.4	65	FSSBRD32*	25	33.8	25.4	80
40	FSS40*	10	41.3	34.1	105	FSSBRD40*	10	43.0	34.1	120
50	FSS50*	10	50.0	40.0	130	FSSBRD50*	10	51.2	40.0	145

for use with FSS	for use with FSSBRD	for use with FSS
FSS20-M20-C	FSSBRD20-M20-C	FSS20-FM20-S
FSS25-M25-C	FSSBRD25-M25-C	FSS25-FM25-S
FSS32-M32-C*	FSSBRD32-M32-C*	FSS32-FM32-S*
FSS40-M40-C*	FSSBRD40-M40-C*	FSS40-FM40-S*
FSS50-M50-C*	FSSBRD50-M50-C*	FSS50-FM50-S*

## Ordering Notes

\* Indicates parts made to order on request and may be subject to MOQ and leadtime.





## Standards



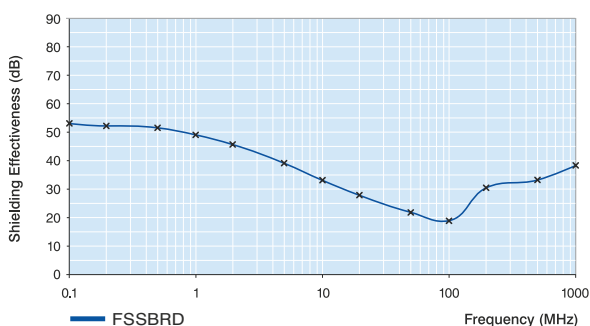
# properties

- IP rating: IP68
- Temperature range -50°C to +135°C
- Inherently Low Fire Hazard
- Suitable for knockout or threaded entries
- Nickel Plated Brass Fittings
- Conduit throat supplied with fitting to protect cables from cut end of conduit
- High mechanical strength
- Tensile strength with standard fittings 100kg for 20mm size
- Tensile strength with BRD C type fittings 150kg for 20mm size
- BRD type fittings: Braid is locked between inner and outer compression nuts
- Also available in chemically blackened version for FSS

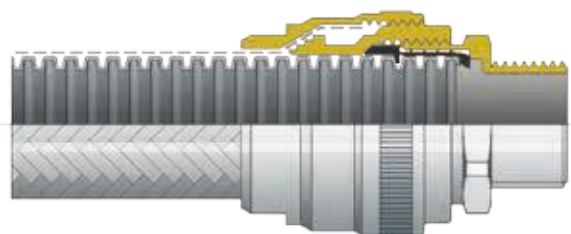


C-S	NEW	C90	NEW	C45	NEW	FCC-SS CLIPS
<b>swivel external thread nickel plated brass</b> Multipart compression fitting including conduit retention clip and polyester seal. Swivel external thread means it can be used for knockouts and / or threaded entries. For BRD version, Braid is locked between inner and outer compression nuts. <b>Colour:</b> Self colour or also available in Black for FSS version.		<b>external thread nickel plated brass</b> 90° multipart compression fitting including elastomeric seal. Can be used for knockouts.		<b>external thread nickel plated brass</b> 45° multipart compression fitting including elastomeric seal. Can be used for knockouts.		<b>stainless steel (316L) P clips</b> P clip to support conduit.
IP68		IP68		IP68		
						
for use with FSS	for use with FSSBRD	for use with FSS	for use with FSS	for use with FSS		nominal size (mm)
FSS20-M20-S	FSSBRD20-M20-S	FSS20-M20-C90	FSS20-M20-C45	FCC20-SS	20	
FSS25-M25-S	FSSBRD25-M25-S	FSS25-M25-C90	FSS25-M25-C45	FCC25-SS	25	
FSS32-M32-S*	FSSBRD32-M32-S*	FSS32-M32-C90*	FSS32-M32-C45*	FCC32-SS	32	
FSS40-M40-S*	FSSBRD40-M40-S*	FSS40-M40-C90*	FSS40-M40-C45*	FCC40-SS	40	
FSS50-M50-S*	FSSBRD50-M50-S*	FSS50-M50-C90*	FSS50-M50-C45*	FCC50-SS	50	

## EMC Screening Performance



## Technical Drawing









**FPRSS system**  
corrugated nylon, (PA6)  
stainless steel overbraid


**FPRTC system**  
corrugated nylon, (PA6)  
tinned copper overbraid



## Conduit

 <p><b>FPRSS</b></p> <p><b>Construction:</b> Standard weight, extra low fire hazard, corrugated nylon (PA6), with stainless steel (316L) overbraid.</p> <p><b>Typical Applications:</b> Metro rail stations for anti-vandal.</p> <p>EN 45545-2   NFPA 130</p>	 <p><b>FPRTC</b></p> <p><b>Construction:</b> Standard weight, extra low fire hazard, corrugated nylon (PA6), with tinned copper overbraid.</p> <p><b>Typical Applications:</b> Inside railway carriages where screening is required.</p> <p>EN 45545-2   NFPA 130</p>
 <p><b>FPISS</b></p> <p><b>Construction:</b> Standard weight, corrugated nylon (PA12), with stainless steel (316L) overbraid.</p> <p><b>Typical Applications:</b> Moving machinery where low temperatures, abrasion and impacts occur.</p>	 <p><b>FPIHSS</b></p> <p><b>Construction:</b> Heavy weight, corrugated nylon (PA12), with stainless steel (316L) overbraid.</p> <p><b>Typical Applications:</b> Under railway carriages where low temperatures, abrasion, impact and regular movement occurs.</p>
<p><b>FPIHRSS</b></p> <p><b>Construction:</b> Heavy weight, extra low fire hazard, corrugated nylon (PA12), with stainless steel (316L) overbraid.</p> <p><b>Typical Applications:</b> Under railway carriages where extra low fire hazard, low temperatures, abrasion, impact and regular movement occurs.</p> <p>NEW   EN 45545-2   NFPA 130</p>	

## Fittings

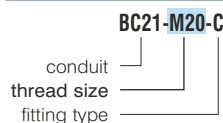
C	C-S	
<p><b>fixed external thread nickel plated brass</b></p> <p>Multipart compression fitting including conduit retention clip and elastomeric seal. Can be used with knockouts. Braid is locked between inner and outer compression nuts.</p> <p>IP67</p>	<p><b>swivel external thread nickel plated brass</b></p> <p>Multipart compression fitting including conduit retention clip and elastomeric seal. Can be used for knockouts and threaded entries. Braid is locked between inner and outer compression nuts.</p> <p>IP67</p>	
		
metric thread part number	metric thread part number	PG thread part number
BC16-M16-C	BC16-M16-S	BC16-PG11-S
BC21-M20-C	BC21-M20-S	BC21-PG16-S
BC28-M25-C	BC28-M25-S	BC28-PG21-S
BC34-M32-C	BC34-M32-S	BC34-PG29-S
BC42-M40-C	BC42-M40-S	
BC54-M50-C*	BC54-M50-S*	

nominal size (mm)	FPRSS part number	FPRTC part number	FPISS part number	FPIHSS part number	FPIHRSS part number	outside dia (mm)	min inside dia (mm)	min inside bend radius (mm)
16	FPRSS16-50M	FPRTC16-50M*	FPISS16-50M*	FPIHSS16-50M	FPIHRSS16-50M	17.3	11.5	35
21	FPRSS21-50M	FPRTC21-50M*	FPISS21-50M*	FPIHSS21-50M	FPIHRSS21-50M	22.7	15.0	45
28	FPRSS28-50M	FPRTC28-50M*	FPISS28-50M*	FPIHSS28-50M	FPIHRSS28-50M	30.0	21.3	50
34	FPRSS34-50M	FPRTC34-50M*	FPISS34-25M*	FPIHSS34-25M	FPIHRSS34-25M	36.0	27.6	60
42	FPRSS42-25M*	FPRTC42-25M*	FPISS42-25M*	FPIHSS42-25M*	FPIHRSS42-25M	44.0	35.5	70
54	FPRSS54-25M*	FPRTC54-25M*	FPISS54-25M*	FPIHSS54-25M*	FPIHRSS54-25M	56.0	47.2	80

## Ordering Notes

- \* Indicates parts made to order on request and may be subject to MOQ and lead time
- Available on request:
  - longer lengths
  - cut lengths and assemblies
  - additional sizes
  - full copies of independent test report confirming screening effectiveness

## How to read the fittings code



## Standards



Note: refer to conduit properties for applicable standards

# FPISS, FPIHSS system corrugated nylon, (PA12), stainless steel overbraided

# FPIHRSS system corrugated nylon, (PA12), stainless steel overbraided



## properties

### FPRSS & FPRTC

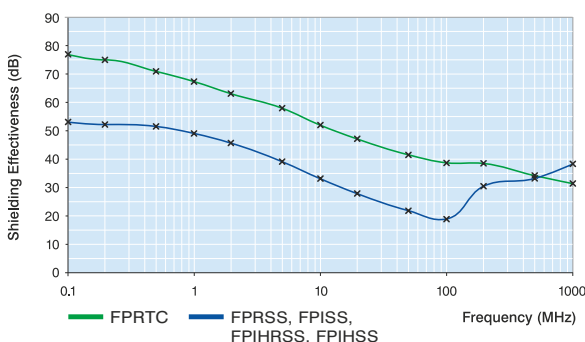
- Highly flexible and high fatigue life
- High impact strength
- Temperature range -40°C to +120°C
- Extra low fire hazard see page 148
- Provides EMC screening 49dB@1MHz (FPRSS) 67dB@1MHz (FPRTC)
- FPRSS provides high tensile strength and resistance to abrasion, corrosion and vandals
- Vibration and shock tested to EN61373 Cat 2
- LUL Std S1085 Cert No. 298

### FPISS, FPIHRSS & FPIHSS

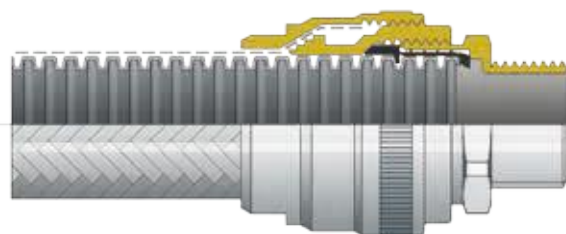
- Highly flexible
- Exceptional fatigue life
- Very high impact resistance even at low temperatures
- Temperature range -50°C to +110°C
- Low fire hazard
- Provides EMC screening 49dB@1MHz
- Provides high tensile strength and resistance to abrasion, corrosion and vandals
- Vibration and shock tested to EN61373 Cat 2
- FPIHRSS EN 45545-2 to HL3 and NFPA130

C-90	90° elbow	FW	sealing washers	locknuts	FCC				
<b>external thread elbow nickel plated brass</b> Multipart 90° compression fitting including conduit retention clip and elastomeric seal. Can be used with knockouts. Braid is locked between inner and outer compression nuts.	<b>internal and external threaded nickel plated brass elbow</b> 90° elbow which can be screwed onto external threaded fittings.	<b>fibre retained face sealing washers</b> Retained sealing washer to maintain IP rating of fitting to adjacent equipment.	<b>fibre face sealing washers</b> Sealing washer to maintain IP rating of fitting to adjacent equipment.	<b>galvanised steel and nickel plated brass locknuts</b> Hexagonal locknut to secure fitting. EMC locknuts have raised corners to ensure good continuity.	<b>plated steel P clip with pvc liner, stainless steel P clips</b> P clip to support conduit.				
metric thread part number	metric thread part number	metric thread part number	part number	metric thread steel part number	metric thread EMC part number	metric thread brass part number	plated steel part number	stainless steel part number	nominal size (mm)
BC21-M20-C90	BM90-16M BM90-20M BM90-25M BM90-32M BM90-40M BM90-50M	FW16 FW20 FW25 FW32 FW40 FW50	FWPG11 FWPG16 FWPG21 FWPG29	S-M16 S-M20 S-M25 S-M32 S-M40 S-M50	B-M20-EMC B-M25-EMC B-M32-EMC B-M40-EMC	B-M16 B-M20 B-M25 B-M32 B-M40 B-M50	FCC16 FCC20 FCC25 FCC32 FCC40 FCC50	FCC16-SS FCC20-SS FCC25-SS FCC32-SS FCC40-SS FCC50-SS	16 20 25 32 40 50

## EMC Screening Performance



## Technical Drawing

















# Cable Gland Fittings

## cable strain relief and enhanced IP rating for Flexicon conduits

For applications that require the conduit system to provide strain relief and enhanced IP rating to the cables being mechanically protected eg. rail market or heavy machinery construction sector.

### properties

- Combined properties of conduit fitting and cable gland
- Cable strain relief
- Additional IP rating on cable inside conduit\*
- Nickel plated brass fittings
- Cable gland properties: IP68 (10 bar) + IP69
- Temperature range
  - 40°C to +100°C for static applications
  - 20°C to +100°C for dynamic applications
- EMC cable gland version on request

Suitable for the following conduits	Conduit	Fitting	nominal size (mm)	Part Number	IP rating of conduit system	IP rating of cable gland	Clamping range of cable gland
FU & SSU			16	FSU16-M16-CG	IP40	IP68 (10 bar)+IP69	4.5-10mm
			20	FSU20-M20-CG			7-13mm
			25	FSU25-M25-CG			9-17mm
			32	FSU32-M32-CG			11-21mm
FSU, FNU, LFHU and FPU			16	FSU16-M16-CG	IP65	IP68 (10 bar)+IP69	4.5-10mm
			20	FSU20-M20-CG			7-13mm
			25	FSU25-M25-CG			9-17mm
			32	FSU32-M32-CG			11-21mm
LTP, LTPHC, LTPUL, LTPAS, LTPSS, LTPLFH, LTBRDP, LTBRDLFH, LTPPU and LTPPUAS			16	LTP16-M16-CG	IP66+IP67+ IP68 (5 bar)+IP69	IP68 (10 bar)+IP69	4.5-10mm
			20	LTP20-M20-CG			7-13mm
			25	LTP25-M25-CG			9-17mm
			32	LTP32-M32-CG			11-21mm
FB & FUSB			16	FSB16-M16-CG	IP40	IP68 (10 bar)+IP69	4.5-10mm
			20	FSB20-M20-CG			7-13mm
			25	FSB25-M25-CG			9-17mm
			32	FSB32-M32-CG			11-21mm
FSB & LFHUBRD			16	FSB16-M16-CG	IP65	IP68 (10 bar)+IP69	4.5-10mm
			20	FSB20-M20-CG			7-13mm
			25	FSB25-M25-CG			9-17mm
			32	FSB32-M32-CG			11-21mm
LTPBRD			16	LTPB16-M16-CG	IP66+IP67+ IP68 (5 bar)+IP69	IP68 (10 bar)+IP69	4.5-10mm
			20	LTPB20-M20-CG			7-13mm
			25	LTPB25-M25-CG			9-17mm
			32	LTPB32-M32-CG			11-21mm
LPC, LPCG, LPCO, LPCBU			16	LPC16-M16-CG	IP66+IP67+ IP68 (5 bar)+IP69	IP68 (10 bar)+IP69	4.5-10mm
			20	LPC20-M20-CG			7-13mm
			25	LPC25-M25-CG			9-17mm
			32	LPC32-M32-CG			11-21mm

\*IP rating up to IP68 (10 bar), IP69 dependent on cable used

## Standards

BS EN IEC 61386



# FTCB Braided sleeving

## tinned copper braid system for EMC screening



### properties

- EMC Screening 67dB @ 1Mhz for 20mm
- Minimum optical cover 90%
- Can offer mechanical support
- Can offer abrasion resistance

## Overbraid

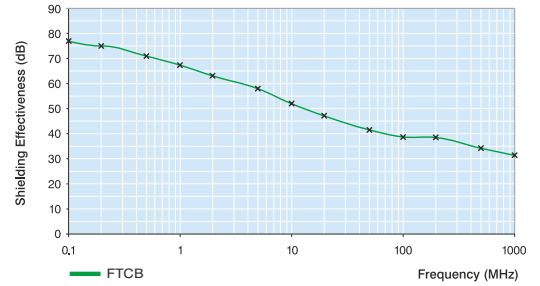
### FTCB

**Construction:** Tinned copper braided sleeving.

**Colour:** Self colour

**Typical Applications:** Screening of cables from electromagnetic, electrostatic and RF interference. Can be sleeved over cables before they are drawn into conduits.

FTCB part number	Reel length (m)	Nominal I/D(mm)	Usable ø mm min	Usable ø mm max	Cross sectional area-mm²
FTCB3	100	3.0	2.0	3.5	1.06
FTCB4	100	4.0	3.0	5.0	1.49
FTCB5	100	5.0	4.0	6.0	1.91
FTCB6	100	6.0	5.0	7.0	2.23
FTCB10	50	10.0	7.0	12.0	4.43
FTCB12	50	12.5	11.0	13.0	4.83
FTCB15	50	15.0	13.0	18.0	8.29
FTCB20	50	20.0	17.0	23.0	9.65
FTCB25	50	25.0	22.0	28.0	12.54
FTCB30	25	30.0	27.0	36.0	19.30
FTCB35	25	35.0	30.0	50.0	19.30
FTCB50	25	50.0	45.0	65.0	35.63



### Note;

- As the diameter increases towards the maximum expansion the sleeving decreases in length.
- Normally supplied on disposable PVC former or can be supplied in flat form on a reel by request
- Temperature performance of sleeving: -50°C to +300°C



Use with Braid

### FPA

### FPAX

### FPAU

NEW

**Construction:** Nylon PA66 & Nickel Plated Brass.

**Colour:** Black.

**Typical Applications:** Straight fitting with internal braid clamp assembly for use with braided sleeving inside corrugated conduit.

IP66	IP66	IP67	IP68	IP69	IP66	IP67	IP68	IP69
------	------	------	------	------	------	------	------	------

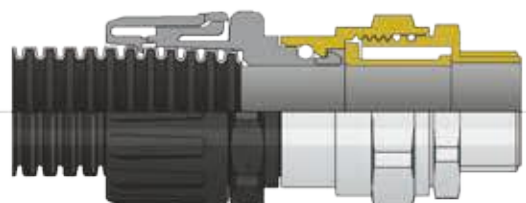
conduit size (mm)	FPA part number	FPAX part number	FPAU part number
21	FPA21-M20-SBCA	FPAX21-M20-SBCA	FPAU21-M20-SBCA
28	FPA28-M25-SBCA	FPAX28-M25-SBCA	FPAU28-M25-SBCA
34	FPA34-M32-SBCA	FPAX34-M32-SBCA	FPAU34-M32-SBCA
42	FPA42-M40-SBCA	FPAX42-M40-SBCA	FPAU42-M40-SBCA

FTCB10, FTCB12, FTCB15
FTCB15, FTCB20, FTCB25
FTCB20, FTCB25, FTCB30
FTCB25, FTCB30, FTCB35

## Ordering Notes

- Available on request:
  - 90° and 45° elbows
  - PG threads

## Technical Drawing





# Round Connection boxes

stainless steel  
nickel plated brass

NEW

IP66

IP67

IP68

IP69

## Connection Boxes

### ROUND BOX - STAINLESS STEEL - HYGIENIC

NEW

HG  
HYGIENIC  
RANGE

IP66

IP67

IP68

IP69



**Construction:** Stainless Steel (Grade 316) Round box consisting of a base and lid. Designed using the principles of EN 1672-2 and EN ISO 14159 supplied with blue high visibility polyester elastomer lid and base seals. Available with either 2 or 4 holes, other versions available on request. 2 Fixing holes are provided, together with component Mounting holes to help with installation. Slots in the lid allow for secure tightening of the lid and aids opening for maintenance or upgrade. Design offers high Ingress Protection combined with high corrosion resistance.

**Typical Applications:** Ideal use as a Junction Box for the interconnection of circuits for Hygienic Applications. The lid and base construction provides access to cabling routed through connecting conduits. Fixing holes are provided in the base and pre drilled Mounting holes provide easy option to fix terminals or DIN rail within the box. Ideal for extending or modifying circuits whilst maintaining system integrity. When used with Flexicon Short Thread fittings the box provides a reliable interface with Flexible conduit whilst maximising the available wiring space within the box. Blanking Plugs can be used to seal off any unused ways. The Box offers the possibility to connect and interface with Cable Glands or different types of cabling installations.



4 Way Box shown  
2 mounting holes on base  
M20 Thread Entries

Part Number

Height (mm)

Diameter (mm)

2 Way

FBOX75X60-M20X2-SS

65

75

4 Way

FBOX75X60-M20X4-SS

65

75

### ROUND BOX - NICKEL PLATED BRASS

NEW

IP66

IP67

IP68

IP69



**Construction:** Nickel Plated Brass Round box consisting of a base and lid. Supplied with blue high visibility polyester elastomer lid and base seals. Available with either 2 or 4 holes, other versions available on request. 2 Fixing holes are provided, together with component Mounting holes to help with installation. Slots in the lid allow for secure tightening of the lid and aids opening for maintenance or upgrade. Design offers high Ingress Protection.

**Typical Applications:** Ideal use as a Junction Box for the interconnection of circuits for general purpose Applications. The lid and base construction provides access to cabling routed through connecting conduits. Fixing holes are provided in the base and pre drilled Mounting holes provide easy option to fix terminals or DIN rail within the box. Ideal for extending or modifying circuits whilst maintaining system integrity. When used with Flexicon Short Thread fittings the box provides a reliable interface with Flexible conduit whilst maximising the available wiring space within the box. Blanking Plugs can be used to seal off any unused ways. The Box offers the possibility to connect and interface with Cable Glands or different types of cabling installations.

2 Way Box shown  
2 mounting holes on base  
M20 Thread Entries

Part Number

Height (mm)

Diameter (mm)

2 Way

FBOX75X60-M20X2-NPB

65

75

4 Way

FBOX75X60-M20X4-NPB

65

75

For non-metallic Round Connection Boxes visit our website



# properties

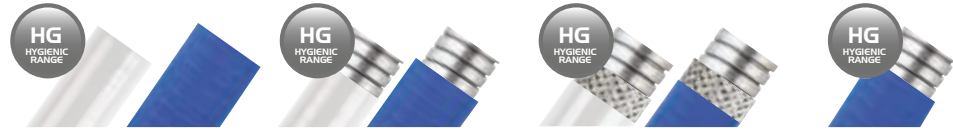
- IP rating: IP66, IP67, IP68, IP69
- Temperature range -50°C to +135°C
- Hygienic Box designed using principles given in EN1672-2 and EN ISO 14159
- Blue high visibility polyester elastomer lid and base seals
- 3 Way, 2 Way 90° and 1 Way available on request
- Other diameters and heights available on request
- ST fittings are short threaded fittings designed for use with Round Box

**NEW**




HG  
HYGIENIC  
RANGE

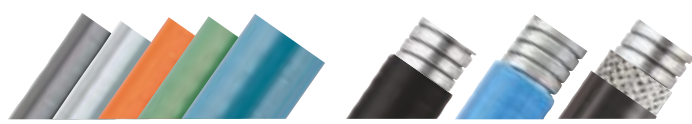
## Terminations



### Conduits

### Fittings

	LPC-FG See page 84 Part Number	LTP-FG See page 112 Part Number	LTBRDP-FG See page 112 Part Number	LTPSS-FG See page 112 Part Number	
	LPCWFG20	LTPWFG20	LTBRDPWFG20		
	LPCBUFG20	LTPBUFG20	LTBRDPBUFG20	LTPSSBUFG20	
	Part Number	Part Number	Part Number	Part Number	Blanking Plugs (SS) Part Number
	LPC20-M20ST-C-FG See page 85	LTP20-M20ST-C-FG See page 113	LTP20-M20ST-C-FG See page 113	LTP20-M20ST-C-FG See page 113	SP-M20-FG-SS



### Conduits












### Fittings

	LPC Type See page 80 Part Number	Liquid Tight See pages 98 Part Number			
	LPC20B LPC20G LPC200 LPC20GN LPC20BU	LTP20 LTPAS20 LTPHC20 LTPUL20	LTPLFH20 LTPPU20 LTPPUAS20 LTPSS20	LTBRDP20 LTBRDLFH20	
	Part Number	Part Number		Cable Gland Part Number	Blanking Plugs (NPB) Part Number
	LPC20-M20ST-C See page 81	LTP20-M20ST-C See page 102		B-M20ST-CG See page 129	SP-M20-NPB See page 128







For non-metallic Round Connection Boxes visit our website



# Accessories

metric locknuts					PG locknuts		NPT locknuts		stop plug	
nickel plated brass, plated steel, stainless steel, nylon black or grey					nickel plated brass, Zinc, nylon black or grey		Zinc or nylon (black)		nylon metric black	nylon PG (grey)
										
nickel plated brass part number	nickel plated EMC part number	plated steel part number	stainless steel part number	nylon part number	nickel plated brass part number	nylon part number	zinc part number	nylon part number	metric part number	PG part number
B-M12				LM12-N#	B-PG7	PG7-N#			SP-M12*	SP-PG7*
B-M16		S-M16	SS-M16	LM16-N#	B-PG9	PG9-N#			SP-M16	SP-PG9
B-M20	B-M20-EMC	S-M20	SS-M20	LM20-N#	B-PG11	PG11-N#	Z-050	050-NB	SP-M20	SP-PG11
B-M25	B-M25-EMC	S-M25	SS-M25	LM25-N#	B-PG13	PG13-N#	Z-075	075-NB	SP-M25	SP-PG13
B-M32	B-M32-EMC	S-M32	SS-M32	LM32-N#	B-PG16	PG16-N#	Z-100	100-NB	SP-M32	SP-PG16
B-M40	B-M40-EMC	S-M40	SS-M40	LM40-N#	B-PG21	PG21-N#	Z-125		SP-M40*	SP-PG21
B-M50		S-M50	SS-M50	LM50-N#	B-PG29	PG29-N#	Z-150			SP-PG29
B-M63		S-M63	SS-M63*	LM63-N#	B-PG36	PG36-N#	Z-200			
B-M75					B-PG42	PG42-N#				
					B-PG48	PG48-N#				

# add B or G to specify colour. eg. LM20-NB for Black

sealing washers					
Polyester Elastomer, Neoprene and fibre face sealing washers					
Polyester Elastomer Metric	Neoprene Metric	Neoprene PG	Fibre Metric	Fibre PG	Fibre NPT
					
metric thread part number	metric thread part number	PG thread part number	metric thread part number	PG thread part number	NPT thread part number
	SW12	SWPG7	FW12	FWPG7	
RSW16	SW16	SWPG9	FW16	FWPG9	
RSW20	SW20	SWPG11	FW20	FWPG11	FW050
RSW25	SW25	SWPG13	FW25	FWPG13	FW075
RSW32	SW32	SWPG16	FW32	FWPG16	FW100
RSW40	SW40	SWPG21	FW40	FWPG21	FW125
RSW50	SW50	SWPG29	FW50	FWPG29	FW150
RSW63	SW63	SWPG36	FW63	FWPG36	FW200
		SWPG42			
		SWPG48		FWPG48	

earthing washers	
shake proof washer	earth tag washer
	
metric thread part number	metric thread part number
SPW16	
SPW20	ET-M20
SPW25	ET-M25
SPW32	