









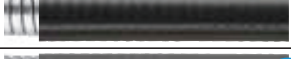
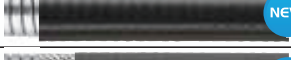
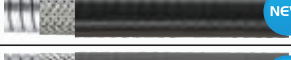
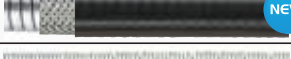

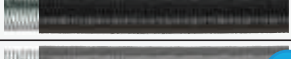












metallic conduit & fittings



BS EN IEC 61386



Page number	conduit system		IP rating available	compression strength kg/100mm 20mm nominal size	pull-off strength kg 20mm nominal size	minimum bend radius 20mm nominal size	colours
58	FU galvanised steel		IP40	350	120	45	zinc
58	SSU stainless steel, grade 316		IP40	400	170	45	stainless steel
60	FSU galvanised steel, pvc coated		IP54, IP65	350	120	45	black, grey, orange
60	FNU galvanised steel, nylon coated		IP54, IP65	350	120	45	black
62	LFHU galvanised steel, LFH coated		IP54, IP65	350	120	45	black
62	FPU galvanised steel, polyurethane coated		NEW IP54, IP65	350	120	45	black, blue
64	LTP/LTPAS galv steel, pvc coated, liquid tight		NEW IP66, IP67, IP68, IP69	400	130	65	black, grey, orange
64	LTPHC galv steel, thermoplastic elastomer, liquid tight		IP66, IP67, IP68, IP69	400	130	65	black
64	LTPUL galv steel, pvc coated, liquid tight		IP66, IP67, IP68, IP69	500	160	90	black
66	LTPLFH galv steel, pvc coated, liquid tight		NEW IP66, IP67, IP68, IP69	400	130	60	black
66	LTPSS stainless steel, pvc coated, liquid tight		IP66, IP67, IP68, IP69	400	130	65	black
66	LTPPU/LTPPUAS galv steel, polyurethane coated, liquid tight		NEW IP66, IP67, IP68, IP69	400	130	65	black, blue
66	LTBRDP galv steel, braided core, pvc coated, liquid tight		NEW IP66, IP67, IP68, IP69	400	130	65	black
66	LTBRDLFH galv steel, braided core, LFH coated, liquid tight		NEW IP66, IP67, IP68, IP69	400	130	130	black
74	FL galvanised steel, pliable		IP40	300	30	35	zinc
74	FLP galvanised steel, pvc coated, pliable		IP66, IP67, IP68, IP69	300	50, 100	35	black
75	LFHP galvanised steel, LFH coated, pliable		NEW IP66, IP67, IP68, IP69	570	50, 100	40	black
76	FSB galv steel, pvc, galv steel overbraid		IP54, IP65	350	120, 300	45	zinc
76	LFHUBRD galv steel, LFH coated, SS316 overbraid		IP54, IP65	350	120, 300	45	stainless steel
78	FB galvanised steel, galv steel overbraid		IP40	350	120	45	zinc
78	FUSSB galvanised steel, SS316 overbraid		IP40	350	120	45	stainless steel
80	LTPBRD galv steel, elastomer coated, SS316 overbraid		IP66, IP67, IP68, IP69	400	350	65	stainless steel
82	FPRSS PA6 corrugated, SS316 overbraid		IP67	75	100	45	stainless steel
82	FPRTC PA6 corrugated, tinned copper overbraid		IP67	75	75	45	tin
82	FPISS PA12 corrugated, SS316 overbraid		IP67	45	100	45	stainless steel
82	FPIHSS PA12 corrugated, SS316 overbraid		IP67	60	100	45	stainless steel



metallic conduit and fittings

high fatigue life	temperature range	flexible	pliable	low fire hazard	halogen free	self extinguishing	EMC screening @1MHz	high abrasion resistance	high UV/ outdoor use	
	-100°C to +300°C	•		•	•	•		•		FU galvanised steel
	-100°C to +600°C	•		•	•	•		•	•	SSU stainless steel, grade 316
•	-15°C to +70°C	•				•			•	FSU galvanised steel, pvc coated
	-40°C to +120°C	•			•	•		•		FNU galvanised steel, nylon coated
	-25°C to +90°C	•		•	•	•				LFHU galvanised steel, LFH coated
•	-40°C to +100°C	•			•	•		•		FPU galvanised steel, polyurethane coated
	-20°C to +105°C	•				•			•	LTP/LTPAS galv steel, pvc coated, liquid tight
	-60°C to +150°C	•			•	•			•	LTPHC galv steel, thermoplastic elastomer, liquid tight
	-15°C to +75°C	•				•			•	LTPUL galv steel, pvc coated, liquid tight
	-25°C to +90°C	•		•		•			•	LTPLFH galv steel, pvc coated, liquid tight
	-20°C to +105°C	•				•			•	LTPSS stainless steel, pvc coated, liquid tight
•	-40°C to +100°C	•			•	•		•	•	LTPPU/LTPPUAS galv steel, polyurethane coated, liquid tight
	-20°C to +105°C	•				•	60dB		•	LTBRDP galv steel, braided core, pvc coated, liquid tight
	-25°C to +90°C	•		•	•	•	60dB			LTBRDLFH galv steel, braided core, LFH coated, liquid tight
	-40°C to +120°C		•	•	•	•	70dB			FL galvanised steel, pliable
	-15°C to +70°C		•			•	70dB		•	FLP galvanised steel, pvc coated, pliable
	-25°C to +90°C		•	•	•	•	70dB		•	LFHP galvanised steel, LFH coated, pliable
	-15°C to +70°C	•				•	55dB	•		FSB galv steel, pvc, galv steel overbraid
	-25°C to +90°C	•		•	•	•	49dB	•		LFHUBRD galv steel, LFH coated, SS316 overbraid
	-100°C to +300°C	•		•	•	•	55dB	•		FB galvanised steel, galv steel overbraid
	-100°C to +300°C	•		•	•	•	49dB	•		FUSSB galvanised steel, SS316 overbraid
	-60°C to +150°C	•			•	•	49dB	•	•	LTPBRD galv steel, elastomer coated, SS316 overbraid
	-40°C to +120°C	•		•	•	•	49dB	•	•	FPRSS PA6 corrugated, SS316 overbraid
	-40°C to +120°C	•		•	•	•	67dB			FPRTC PA6 corrugated, tinned copper overbraid
•	-50°C to +110°C	•			•	•	49dB	•	•	FPISS PA12 corrugated, SS316 overbraid
•	-50°C to +110°C	•		•	•	•	49dB	•	•	FPIHSS PA12 corrugated, SS316 overbraid



96

thread data



97

technical guidance



102

low fire hazard



metallic selection guide



- UK manufactured products to the highest standards
- Highest IP performance for liquid tight fittings as standard
- Highest tensile strength performance fittings
- Stainless Steel variants available
- Vibration tested for secure installations
- Simple construction for ease of installation - Fixed and Swivel versions
- Multiple thread variations available - Metric, PG, NPT
- Tested and approved to the latest National and International Standards
- Widest choice whatever your application

Fixed External



IP40 IP54

Swivel



IP40 IP54

Fixed Internal



IP40 IP54

Plain Hole



IP40 IP54

See Pg 58, 59, 60, 61, 62, & 63

Stainless Steel



IP40

See Pg 58 & 59

Insert



Cable Gland



Clips



Locknuts



See Pg 86 & 87



Liquid Tight



IP66 IP67 IP68 IP69

See Pg 50, 61, 63, 64, 65 & 66

Liquid Tight Stainless Steel



IP66 IP67 IP68 IP69

See Pg 51 & 67

EXE



IP66

See Pg 71

EXD Flameproof Barrier Glands

Straight 90° 45° Braided



IP66 IP67 IP68 IP69 *

See Pg 68, 69 & 70

*Straight & braided

FL

Straight



IP40

FLP

Straight



IP66 IP67

ULTRASCREE®

External



IP66 IP67 IP68 IP69

Internal



See Pg 74 & 75

Braided



IP40 IP54

See Pg 76, 77, 78 & 79

Braided Compression



IP65 IP66 IP67 IP68 IP69

See Pg 77, 80, 81, 82 & 83

LTP with Strain Relief



IP66 IP67 IP68 IP69

See Pg 84

BRAIDED with Strain Relief



Accessories



Elbows



See Pg 87 & 88

Stopping Plugs



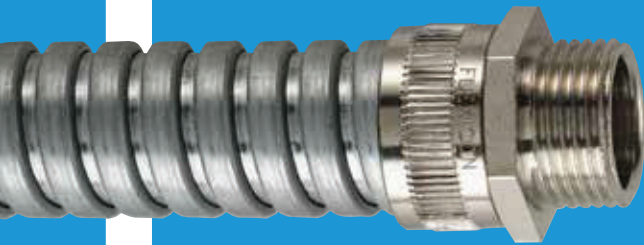
Couplers



Thread Converters



See Pg 88



FU & SSU system galvanised steel and stainless steel



Conduit

Fittings

FU

Construction: Galvanised steel, helically wound, flexible conduit. Colour zinc, self colour.

Typical Applications: Underfloor wiring in office blocks.

SSU

Construction: Stainless steel (grade 316), helically wound, flexible conduit. Colour stainless steel, self colour.

Typical Applications: Instrumentation and security.

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.

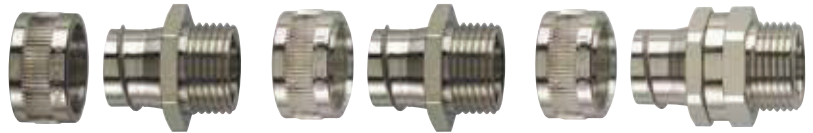
IP40

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



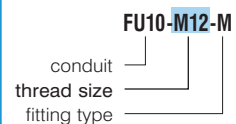
nominal size (mm)	FU			SSU			metric thread part number	PG thread part number	metric thread part number	metric thread part number	PG thread part number	
	part number	reel length (m)	part number	reel length (m)	outside dia (mm)	inside dia (mm)						min inside bend radius (mm)
10	FU10 ⁺	25, 50	SSU10 ⁺	10, 25, 50	9.0	6.8	25	FU10-M12-M	FU10-PG7-M	SSU10-M12-M	FU10-M12-S	FU10-PG7-S
12	FU12	25, 50	SSU12 ⁺	10, 25, 50	13.0	10.2	30	FU12-M16-M	FU12-PG9-M	SSU12-M16-M	FU12-M16-S	FU12-PG9-S
16	FU16	10, 25, 50	SSU16	10, 25, 50	16.0	13.0	40	FU16-M16-M	FU16-PG11-M	SSU16-M16-M	FU16-M16-S	FU16-PG11-S
16								FU16-M20-M			FU16-M20-S	FU16-PG13-S
20	FU20	10, 25, 50	SSU20	10, 25	20.5	16.9	45	FU20-M20-M	FU20-PG16-M	SSU20-M20-M	FU20-M20-S	FU20-PG16-S
25	FU25	10, 25, 50	SSU25	10, 25	25.0	21.1	55	FU25-M25-M	FU25-PG21-M	SSU25-M25-M	FU25-M25-S	FU25-PG21-S
32	FU32	10, 25	SSU32	10, 25	32.0	28.1	60	FU32-M32-M	FU32-PG29-M	SSU32-M32-M	FU32-M32-S	FU32-PG29-S
40	FU40	10, 25	SSU40	10	42.5	37.6	80	FU40-M40-M	FU40-PG36-M	SSU40-M40-M	FU40-M40-S	FU40-PG36-S
50	FU50	10, 25	SSU50	10	53.0	48.4	90	FU50-M50-M	FU50-PG48-M	SSU50-M50-M	FU50-M50-S	FU50-PG42-S
63	FU63	10	SSU63*	10	62.5	57.5	115	FU63-M63-M		SSU63-M63-M*	FU63-M63-S	
75	FU75	10			77.0	70.0	150	FU75-M75-M				

Ordering Notes

- Add reel length eg: FU20-25M 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 and bulk packaging
 - cut lengths and assemblies
 - alternative threads

How to read the fittings code



system properties

- High mechanical strength
- Highly flexible
- Inherently Low Fire Hazard (LFH)
- Fully compliant to LUL Std 1-085 (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 (316) fittings



S-SS	P	F	FCC	90° elbow
<p>swivel external thread stainless steel</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>plain hole connector nickel plated brass</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>fixed internal thread nickel plated brass</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>plated steel P clip with pvc liner and secure stainless steel P clips</p> <p>P clip to support and secure conduit.</p>	<p>90° elbow</p> <p>internal and external threaded nickel plated brass elbow</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	
SSU10-M12-S	9	FU10-P		FCC10	FCC10-SS*	BM90-PG7	10
SSU12-M16-S	12	FU12-P		FCC12	FCC12-SS*	BM90-16M	12
SSU16-M16-S	16	FU16-P	FU16-M16-F	FCC16	FCC16-SS	BM90-16M	16
			FU16-M20-F	FCC16	FCC16-SS	BM90-20M	16
SSU20-M20-S	20	FU20-P	FU20-M20-F	FCC20	FCC20-SS	BM90-20M	20
SSU25-M25-S	25	FU25-P	FU25-M25-F	FCC25	FCC25-SS	BM90-25M	25
SSU32-M32-S	32	FU32-P	FU32-M32-F	FCC32	FCC32-SS	BM90-32M	32
	40	FU40-P	FU40-M40-F	FCC40	FCC40-SS	BM90-40M	40
	51	FU50-P	FU50-M50-F	FCC50	FCC50-SS*	BM90-50M	50
	61	FU63-P	FU63-M63-F	FCC63			63
	75	FU75-P		FCC75			75

Standards

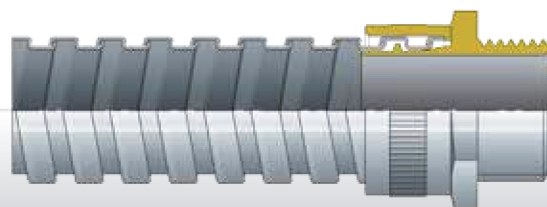


BS EN IEC 61386



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



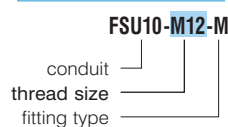
nominal size (mm)	FSU			FNU			metric thread part number	PG thread part number	metric thread part number	PG thread part number	hole size (mm)	part number	
	part number	reel length (m)	part number	reel length (m)	outside dia (mm)	inside dia (mm)							min inside bend radius (mm)
10	FSU10B ⁺	25, 50			10.0	6.8	25	FSU10-M12-M	FSU10-PG7-M	FSU10-M12-S	FSU10-PG7-S	9	FSU10-P
12	FSU12B	25, 50			14.0	10.2	30	FSU12-M16-M	FSU12-PG9-M	FSU12-M16-S	FSU12-PG9-S	12	FSU12-P
16	FSU16B	10, 25, 50	FNU16B*	25	17.0	13.0	40	FSU16-M16-M	FSU16-PG11-M	FSU16-M16-S	FSU16-PG11-S	16	FSU16-P
16								FSU16-M20-M		FSU16-M20-S	FSU16-PG13-S		
20	FSU20B	10, 25, 50	FNU20B*	25	21.5	16.9	45	FSU20-M20-M	FSU20-PG16-M	FSU20-M20-S	FSU20-PG16-S	20	FSU20-P
25	FSU25B	10, 25, 50	FNU25B*	25	26.0	21.1	55	FSU25-M25-M	FSU25-PG21-M	FSU25-M25-S	FSU25-PG21-S	25	FSU25-P
32	FSU32B	10, 25	FNU32B*	25	34.0	28.1	60	FSU32-M32-M	FSU32-PG29-M	FSU32-M32-S	FSU32-PG29-S	32	FSU32-P
40	FSU40B	10, 25			44.5	37.6	90	FSU40-M40-M	FSU40-PG36-M	FSU40-M40-S	FSU40-PG36-S	40	FSU40-P
50	FSU50B	10, 25			55.0	48.4	100	FSU50-M50-M	FSU50-PG48-M	FSU50-M50-S	FSU50-PG42-S	51	FSU50-P
63	FSU63B	10			64.5	57.5	115	FSU63-M63-M		FSU63-M63-S		61	FSU63-P
75	FSU75B	10			79.0	70.0	150	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 316)
 - alternative threads
 - 45° elbows 16 to 32mm
 - UV resistant version of FSU

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 62)
- Nickel plated brass fittings



F	C	C-S	C90	coupler	E
fixed internal thread nickel plated brass 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.	external thread nickel plated brass Multipart compression fitting including elastomeric seal. Can be used for knockouts or threaded entries as fitting rotates until tightened.	external thread nickel plated brass Multipart compression fitting including elastomeric seal. The external thread swivels about the main body even after tightening.	external thread elbow nickel plated brass Multipart 90° compression fitting including elastomeric seal.	nickel plated brass Multi part compression coupler including elastomeric seals to join 2 conduits.	insert nickel plated brass 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

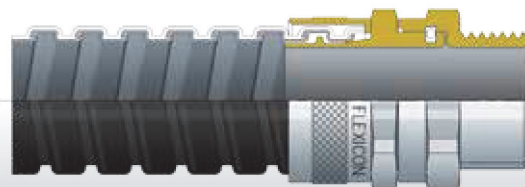
Also available in a Contractor Pack - see page 91

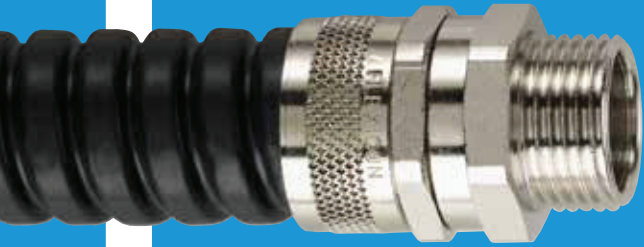
Standards

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.

Typical Applications: Public and commercial buildings and tunnels.

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 part number	reel length (m)	FPU 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
20	LFHU20B	10, 25, 50	FPU20B	25, 50	21.5	16.9	45
25	LFHU25B	10, 25, 50	FPU25B	25, 50	26.0	21.1	55
32	LFHU32B	10, 25	FPU32B	25	34.0	28.1	80
40	LFHU40B	10, 25	FPU40B*	10	44.5	37.6	90
50	LFHU50B	10, 25	FPU50B*	10	55.0	48.4	100
63	LFHU63B	10	FPU63B*	10	64.5	57.5	115
75	LFHU75B	10	FPU75B*	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
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-PG42-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: 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

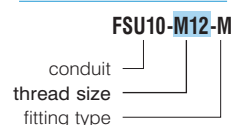


Important Note

- For LFH performance see page 102

- Available on request:
 - longer lengths and bulk packaging
 - cut lengths and assemblies additional sizes
 - stainless steel fittings (grade 316)
 - alternative threads
 - 45° C type 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
- Extra low Fire Hazard UL94 V0, for LFH see page 102 (LFHU)
- High fatigue life and high abrasion resistant (FPU)
- Halogen, sulphur and phosphorus free
- Compliant to LUL Std 1-085 (LFHU) (Cert No. 297)
- 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
<p>fixed internal thread nickel plated brass</p> <p>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.</p> <p>IP54</p>	<p>external thread nickel plated brass</p> <p>Multipart compression fitting including elastomeric seal. Can be used for knockouts or threaded entries as fitting rotates until tightened.</p> <p>IP65</p>	<p>external thread nickel plated brass</p> <p>Multipart compression fitting including elastomeric seal. The external thread swivels about the main body even after tightening.</p> <p>IP65</p>	<p>external thread elbow nickel plated brass</p> <p>Multipart 90° compression fitting including elastomeric seal.</p> <p>IP65</p>	<p>nickel plated brass</p> <p>Multi part compression coupler including elastomeric seals to join 2 conduits.</p> <p>IP65</p>	<p>insert nickel plated brass</p> <p>Single part, machined insert to cap end of conduit.</p>

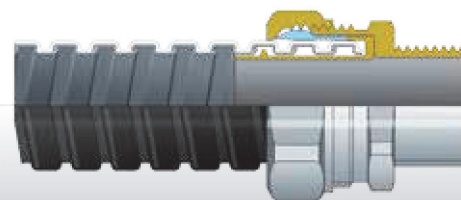
metric thread part number	metric thread part number	PG thread part number	NPT thread part number	metric thread part number	metric thread part number	part number	part number	nominal size (mm)
FSU16-M16-F	FSU12-M16-C	FSU12-PG9-C	FSU16-050-C	FSU12-M16-C-S	FSU12-M16-C90	FSU16-FSU16	FSU12-E	12
FSU16-M20-F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

Standards

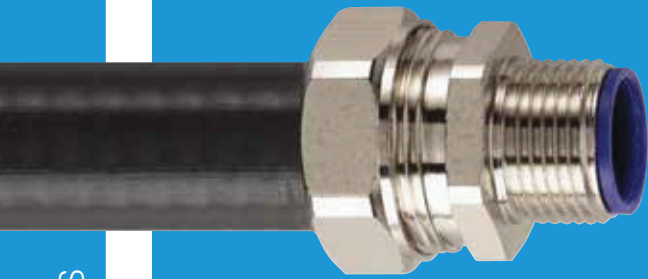
Technical Drawing



BS EN IEC 61386



Note: refer to conduit properties for applicable standards



LTP, LTPAS, LTPHC, LTPUL & LTPLFH

NEW

AS ANTI-STATIC

EXTRA LOW FIRE HAZARD **

galvanised steel,
plastic coated liquid tight

Conduit

Fittings

LTP / LTPAS

Construction: Galvanised steel, helically wound, flexible conduit with smooth oil resistant and high temperature pvc cover. Colour black. Grey or orange on request.

Typical Applications: Machine tools or outdoor installations where liquid tight is a requirement.

Special Characteristics: Oil resistant and self extinguishing.

LTPAS version as above but with anti-static performance coating (only available in black).

LTPHC

Construction: Galvanised steel, helically wound, flexible conduit with smooth thermoplastic elastomer (TPE) cover. Colour black.

Typical Applications: Machine tools or outdoor installations where low or high temperature rating is required. ie. food processing

Special Characteristics: Wide temperature range performance. Good flexibility at low and high temperatures.

LTPUL

Construction: Galvanised steel, helically wound, flexible steel conduit including copper bonding strip (up to 40mm) with smooth pvc cover. Colour black.

Typical Applications: As for LTP but where UL listing or CSA approval is required.

Special Characteristics: UL listed and CSA approved.

LTPLFH

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

Typical Applications: Rail applications.

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

C

external thread nickel plated brass

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

IP66 IP67 IP68 IP69



nominal size (mm)	US trade size (")	outside dia (mm)	inside dia (mm)	LTP part number	reel length (m)	min. inside bend radius (mm)	LTPAS part number	reel length (m)	min. inside bend radius (mm)	LTPHC part number	reel length (m)	min. inside bend radius (mm)	LTPUL part number	reel length (m)	min. inside bend radius (mm)	LTPLFH part number	reel length (m)	min. inside bend radius (mm)	metric thread part number	for PG thread size	for NPT thread size
10	3/8	11.8	7.0	LTP10B ⁺	50	35													LTP10-M12-C	PG7	
10										LTPHC12B ⁺	25	40							LTP10-M16-C		
12	1/2	14.2	10.0	LTP12B	25, 50	40													LTP12-M16-C	PG9	
16	5/8	17.8	12.6	LTP16B	10, 25, 50	45	LTPAS16B*	25	45	LTPHC16B	25	45	LTPUL16B	25	50	LTPLFH16B	25	60	LTP16-M16-C	PG11	
16																			LTP16-M20-C	PG13	050 (1/2")
20	3/4	21.1	16.0	LTP20B	10, 25, 50	65	LTPAS20B*	25	65	LTPHC20B	25	65	LTPUL20B	25	90	LTPLFH20B	10, 25	100	LTP20-M20-C	PG16	050 (1/2")
25	1	26.4	21.0	LTP25B	10, 25, 50	100	LTPAS25B*	25	100	LTPHC25B	25	100	LTPUL25B	25	110	LTPLFH25B	10, 25	130	LTP25-M25-C	PG21	075 (3/4")
32	1 1/4	33.1	26.5	LTP32B	10, 25, 50	135	LTPAS32B*	25	135	LTPHC32B	25	135	LTPUL32B	10, 25	140	LTPLFH32B	10	180	LTP32-M32-C	PG29	100 (1")
40	1 1/2	41.8	35.4	LTP40B	10, 25	175	LTPAS40B*	10	175	LTPHC40B	10	175	LTPUL40B	15	180				LTP40-M40-C	PG36	125 (1 1/4")
50	2	47.9	40.4	LTP50B ⁺	10, 25	230	LTPAS50B* ⁺	10	230	LTPHC50B ⁺	10	230	LTPUL50B ⁺	15	230				LTP50-M50-C	PG42	150 (1 1/2")
63	2 1/2	59.7	51.6	LTP63B ⁺	10, 25	280	LTPAS63B* ⁺	10	280	LTPHC63B* ⁺	10	280	LTPUL63B ⁺	15	280				LTP63-M63-C	PG48	200 (2")

Ordering Notes

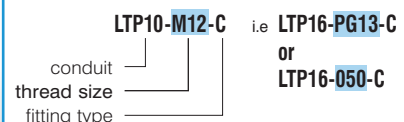
- Add reel length eg: LTP20B-25M for a 25m reel
- For LTP specify colour (B = Black, G = Grey)
- * Indicates parts made to order on request and may be subject to MOQ and lead time
- + Double interlock section

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

Note: Stainless steel fittings also available see page 67

When ordering PG or NPT please see below.

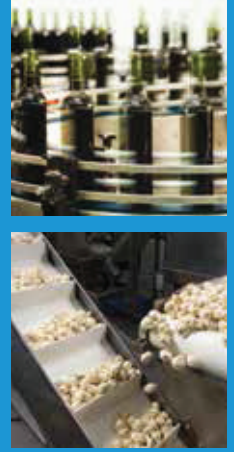
Note: For PG or NPT thread types please insert thread size listed to obtain part number



PG & NPT threads not supplied with insulated throats

properties

- High mechanical strength
- IP rating: IP66 + IP67 + IP68 (5 bar) + IP69
- Smooth, wipe clean outer cover
- Cover does not wrinkle when bent
- Temperature range
 - 20°C to +105°C (LTP & LTPAS)
 - 60°C to +150°C (LTPHC)
 - 15°C to +75°C (LTPUL)
 - 25°C to +90°C (LTPLFH)
- Good flexibility
- UV resistant (black) and suitable for external use
- LTPAS has Anti-Static performance coating to EN60079-0
- LTP has Lloyd's Register Type Approval
- LTPUL conduits are UL listed and CSA approved
- Resistant to oils and greases
- EXTRA Low Fire Hazard UL94 V0 for LFH see page 102
- Compliant to LUL Std 1-085 (LTPLFH) Cert No. 2020
- Nickel plated brass or stainless steel fittings available see page 67
- Vibration and shock tested to EN61373 Cat 2
- LTP UV resistant (black & grey) tested to UL (Report No. 13CA50836)



C-S	C90	C45	coupler	RSW <small>NEW</small>	E	FCC
swivel external thread nickel plated brass Compression fitting for knockout or threaded entries. Multipart compression fitting including elastomeric seal. The external thread swivels about the main body even after tightening.	external thread nickel plated brass 90° multipart compression fitting including elastomeric seal. Can be used for knockout.	external thread nickel plated brass 45° multipart compression fitting including elastomeric seal. Can be used for knockout.	nickel plated brass Multi part compression coupler including elastomeric seals to join 2 conduits.	Polyester Elastomer, Retained face sealing washers Retained sealing washer to maintain IP rating of fitting to adjacent equipment.	insert nickel plated brass Single part, machined insert to cap end of conduit.	plated steel P clip with pvc liner stainless steel P clips P clip to support conduit. Also available in SS see page 87.
IP66 IP67 IP68 IP69	IP66 IP67 IP68 IP69	IP66 IP67 IP68 IP69	IP66 IP67 IP68 IP69			



metric thread part number	metric thread part number	metric thread part number	part number	metric thread part number	part number	plated steel part number	nominal size (mm)
LTP12-M16-S	LTP12-M16-C90				LTP10-E	FCC10	10
LTP16-M16-S	LTP16-M16-C90				LTP10-E	FCC10	10
LTP16-M20-S	LTP16-M20-C90	LTP16-M20-C45	LTP16-LTP16	RSW16	LTP12-E	FCC12	12
LTP20-M20-S	LTP20-M20-C90	LTP20-M20-C45	LTP20-LTP20	RSW20	LTP16-E	FCC16	16
LTP25-M25-S	LTP25-M25-C90	LTP25-M25-C45	LTP25-LTP25	RSW25	LTP16-E	FCC16	16
LTP32-M32-S	LTP32-M32-C90	LTP32-M32-C45	LTP32-LTP32	RSW32	LTP20-E	FCC20	20
LTP40-M40-S	LTP40-M40-C90	LTP40-M40-C45		RSW40	LTP25-E	FCC25	25
LTP50-M50-S	LTP50-M50-C90	LTP50-M50-C45		RSW50	LTP32-E	FCC32	32
	LTP63-M63-C90	LTP63-M63-C45		RSW63*	LTP40-E	FCC40	40
					LTP50-E	FCC50	50
					LTP63-E	FCC63	63

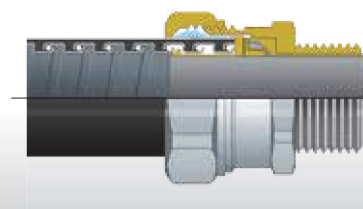
Standards



BS EN IEC 61386

Note: refer to conduit properties for applicable standards

Technical Drawing



Specialist liquid tight products

LTPSS system stainless steel
pvc coated liquid tight

LTPPU/LTPPUAS** system
galvanised steel, polyurethane
coated liquid tight



Conduit

Fittings

LTPSS

Construction: Stainless steel (316), helically wound, flexible conduit with oil resistant and high temperature pvc smooth cover. Colour black.

Typical Applications: Food processing machinery or outdoor applications where high corrosion resistance and liquid tight are a requirement.

Special Characteristics: Enhanced corrosion resistance performance.

LTPPU/ LTPPUAS

Construction: Galvanised steel, helically wound, flexible steel conduit with smooth halogen free polyurethane cover. Colour black (B) and blue (BU). (RAL 5015)

Typical Applications: Where low temperature performance, high abrasion, high fatigue life and liquid tight are a requirement.

Special Characteristics: Low temperature performance, high abrasion and high fatigue life.

LTPPUAS version as above but with anti-static performance coating.

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.

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.

C

**external thread
nickel plated brass**

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

IP66 IP67 IP68 IP69



nominal size (mm)	US trade size (")	outside dia (mm)	inside dia (mm)	LTPSS part number	reel length (m)	min inside bend radius (mm)	LTPPU part number	reel length (m)	min inside bend radius (mm)	LTPPUAS part number	reel length (m)	min inside bend radius (mm)	LTBRDP part number	reel length (m)	min inside bend radius (mm)	LTBRDLFH part number	reel length (m)	min inside bend radius (mm)	metric thread part number	for PG thread size	for NPT thread size
10	3/8	11.8	7.0				LTPPU10*	25	35										LTP10-M12-C	PG7	
10																			LTP10-M16-C		
12	1/2	14.2	10.0				LTPPU12*	25	40										LTP12-M16-C	PG9	
16	5/8	17.8	12.6	LTPSS16*	25	45	LTPPU16*	25	45	LTPPUAS16*	25	45							LTP16-M16-C	PG11	
16																			LTP16-M20-C	PG13	050 (1/2")
20	3/4	21.1	16.0	LTPSS20	25	65	LTPPU20*	25	65	LTPPUAS20*	25	65	LTBRDP20B	25	65	LTBRDLFH20B	25	130	LTP20-M20-C	PG16	050 (1/2")
25	1	26.4	21.0	LTPSS25	25	100	LTPPU25*	25	100	LTPPUAS25*	25	100	LTBRDP25B	25	100	LTBRDLFH25B	25	200	LTP25-M25-C	PG21	075 (3/4")
32	1 1/4	33.1	26.5	LTPSS32	10	135	LTPPU32*	25	135	LTPPUAS32*	25	135	LTBRDP32B	25	120	LTBRDLFH32B*	25	270	LTP32-M32-C	PG29	100 (1")
40	1 1/2	41.8	35.4	LTPSS40	10		LTPPU40*	10	175	LTPPUAS40*	10	175	LTBRDP40B	10	140				LTP40-M40-C	PG36	125 (1 1/4")
50	2	47.9	40.4	LTPSS50	10		LTPPU50*+10	230		LTPPUAS50*+10	230		LTBRDP50B+10	180					LTP50-M50-C	PG42	150 (1 1/2")
63	2 1/2	59.7	51.6	LTPSS63	10		LTPPU63*+10	280		LTPPUAS63*+10	280		LTBRDP63B+10						LTP63-M63-C	PG48	200 (2")

Ordering Notes

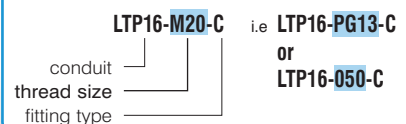
- Add reel length eg: LTPSS20B-25M for a 25m reel
- Stainless Steel LTP fittings can be used with any of the conduits shown on page 26
- Add colour for LTPPU ie B=Black, BU=Blue eg. LTPPU20B is Black

* 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
 - other colours
 - 45 degree stainless steel elbows
 - full copies of independent test reports confirming screening effectiveness

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



When ordering PG or NPT please see below.

LTBRDP system

galv steel, galv steel braid, pvc coated liquid tight

NEW
EMC SCREEN **

LTBRDLFH system

galv steel, galv steel braid, LFH coated liquid tight

NEW
EMC SCREEN **
EXTRA LOW FIRE HAZARD **

properties

- 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 (LTPSS & LTBRDP)
 - 20°C to +90°C (LTBRDLFH)
 - 40°C to +100°C (LTPPU & LTPPUAS)
- UV resistant and suitable for external use
- High abrasion, high fatigue life (LTPPU)
- Vibration and shock tested to EN61373 Cat 2
- Provides EMC screening (LTBRDP & LTBRDLFH)
- Compliant to LUL Std 1-085 (LTBRDLFH) (Cert No. 658)
- LTPPUAS has Anti-Static performance coating to EN60079-0

C-SS

external thread stainless steel

Multipart compression fitting with Stainless Steel (316) body and nut and nickel plated brass insert, including elastomeric seal. Can be used for knockout or threaded entries as fitting rotates until tightened.

IP66 IP67 IP68 IP69

C-90-SS

external thread stainless steel (316)

90° multipart compression fitting with Stainless Steel (316) body and nut and nickel plated brass insert, including elastomeric seal. Can be used for knockout.

IP66 IP67 IP68 IP69

LOCKNUTS

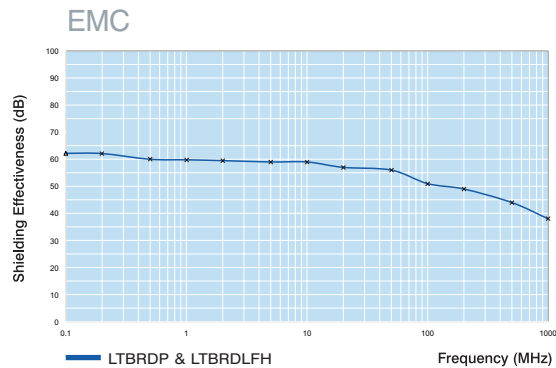
stainless steel (316) locknuts

Hexagonal locknut to secure fitting.

FCC-SS

stainless steel (316) P clips

P clip to support conduit.



metric thread part number



metric thread part number



part number



part number

				nominal size (mm)
LTP16-M16-CSS		SS-M16	FCC16-SS	10
LTP16-M20-CSS	LTP16-M20-CSS90	SS-M20	FCC16-SS	10
LTP20-M20-CSS	LTP20-M20-CSS90	SS-M20	FCC20-SS	12
LTP25-M25-CSS	LTP25-M25-CSS90	SS-M25	FCC25-SS	16
LTP32-M32-CSS	LTP32-M32-CSS90	SS-M32	FCC32-SS	16
LTP40-M40-CSS		SS-M40	FCC40-SS	20
LTP50-M50-CSS		SS-M50	FCC50-SS*	25
				32
				40
				50
				63

Standards

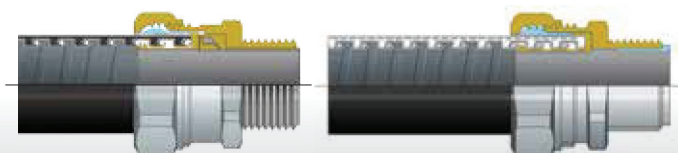


BS EN IEC 61386



Note: refer to conduit properties for applicable standards

Technical Drawing



LTPPU, LTPPUAS

LTBRDP & LTBRDLFH

FL system galvanised steel pliable



FLP system galvanised steel pvc coated, pliable



Conduit

Fittings

Conduit

Fittings

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

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



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

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 99).

IP66

IP67



nominal size (mm)	FL part number	reel length (m)	outside dia (mm)	inside dia (mm)	min inside bend radius (mm)	metric thread part number	nominal size (mm)	FLP part number	reel length (m)	min inside bend radius (mm)	outside dia (mm)	inside dia (mm)	metric thread part number
16							16	FLP16B	25	35	17.8	11.6	FLP16-M16-C
20	FL20	25	19.0	14.6	35	FL20-M20-C	20	FLP20B	10,25,50	35	20.9	14.6	FLP20-M20-C
25	FL25	25	25.1	20.4	45	FL25-M25-C	25	FLP25B	10,25,50	45	27.3	20.4	FLP25-M25-C
32							32	FLP32B	10,25	55	34.0	26.7	FLP32-M32-C
40							40	FLP40B*	10,25	70	40.4	32.8	(use C-HS fitting)
50							50	FLP50B*	10,20	110	53.1	45.3	(use C-HS fitting)

Standards

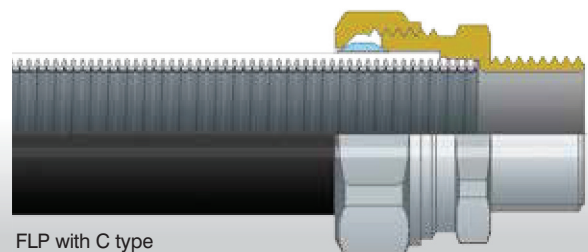


BS EN IEC 61386



Note: refer to conduit properties for applicable standards

Technical Drawing



FLP with C type

Flexicon Ultrascreen™

NEW

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
- LUL (Cert No. 297)
- NCAGE No. U5256

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 99).

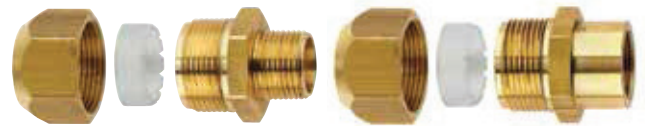
IP66 IP67 IP68 IP69

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 99).

IP66 IP67 IP68 IP69

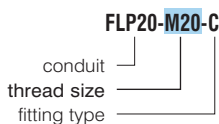


nominal size (mm)	LFHP part number	reel length (m)	min inside bend radius (mm)	outside dia (mm)	inside dia (mm)	metric thread part number	metric thread part number
16	LFHP16B	25	40	17.8	11.6	FLP16-M16-C-HS	FLP16-M16-F-HS
20	LFHP20B	25	40	20.9	14.6	FLP20-M20-C-HS	FLP20-M20-F-HS
25	LFHP25B	25	55	27.3	20.4	FLP25-M25-C-HS	FLP25-M25-F-HS
32	LFHP32B	25	65	34.0	26.7	FLP32-M32-C-HS	FLP32-M32-F-HS
40	LFHP40B*	25	85	40.4	32.8	FLP40-M40-C-HS*	FLP40-M40-F-HS*
50	LFHP50B*	25	130	53.1	45.3	FLP50-M50-C-HS*	FLP50-M50-F-HS*

Ordering Notes

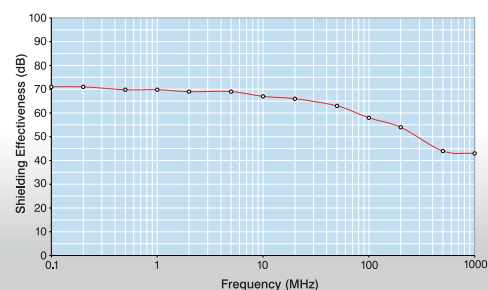
- Add reel length eg: FLP20B-25M for 25m reel
- **Available on request:**
 - longer lengths
 - cut lengths and assemblies
 - additional sizes
 - full copies of independent test report confirming screening effectiveness

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





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



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



Conduit

Fittings

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 1-085 (Cert No.297).

M

fixed external thread nickel plated brass

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

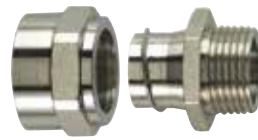
IP54

S

swivel external thread nickel plated brass

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

IP54



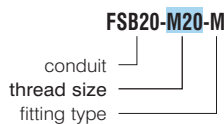
nominal size (mm)	FSB part number		reel length (m)	outside dia (mm)	inside dia (mm)	min inside bend radius (mm)
	FSB	LFHUBRD				
12	FSB12		25	15.2	10.2	30
16	FSB16		25	18.2	13.0	40
20	FSB20	LFHUBRD20	25	22.7	16.9	45
25	FSB25	LFHUBRD25	25	27.2	21.1	55
32	FSB32	LFHUBRD32	25	35.2	28.1	70
40	FSB40	LFHUBRD40	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-PG42-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



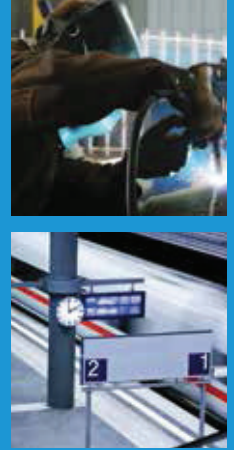
BS EN IEC 61386



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 1-085 (LFHUBRD) (Cert No. 297)
- Nickel plated brass fittings
- Vibration and shock tested to EN61373 Cat 2



P

plain hole connector nickel plated brass

Two part fitting comprising of 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

C

fixed external thread nickel plated brass

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

IP65

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.

IP65

C90

external thread elbow nickel plated brass

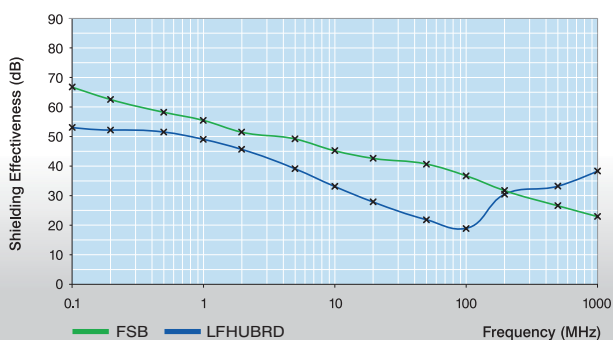
Multipart 90° compression fitting including elastomeric seal. Braid is locked between inner and outer compression nuts.

IP65

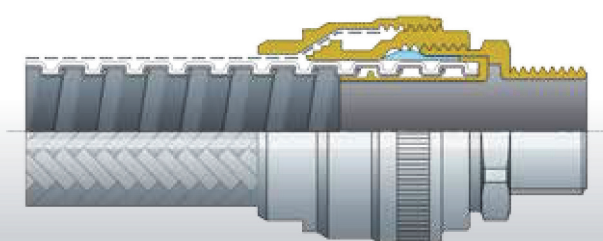


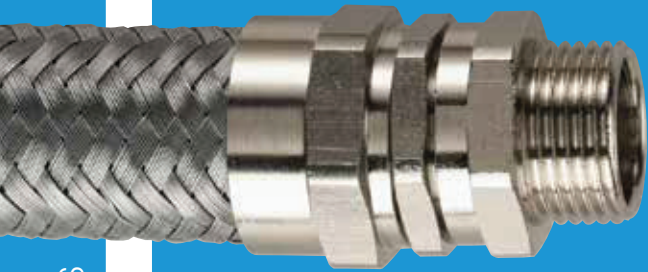
hole size (mm)	part number	metric thread part number	PG thread part number	metric thread part number	metric thread part number	nominal size (mm)
12	FSB12-P					12
16	FSB16-P	FSB16-M16-C	FSB16-PG11-C	FSB16-M16-C-S	FSB16-M16-C90	16
		FSB16-M20-C	FSB16-PG13-C	FSB16-M20-C-S	FSB16-M20-C90	16
20	FSB20-P	FSB20-M20-C	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





FB system
galvanised steel core
galvanised steel overbraid

FUSSB system
galvanised steel core
stainless steel overbraid



Conduit

Fittings

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.

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.

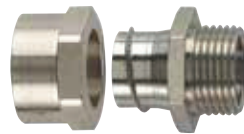
IP40

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



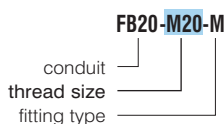
nominal size (mm)	FB part number	FUSSB part number	reel length (m)	outside dia (mm)	inside dia (mm)	min inside bend radius (mm)
12	FB12	FUSSB12*	25	14.0	10.2	30
16	FB16	FUSSB16*	25	17.5	13.0	40
16						
20	FB20	FUSSB20	25	21.5	16.9	45
25	FB25	FUSSB25	25	26.0	21.1	55
32	FB32	FUSSB32	25	34.0	28.1	70
40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

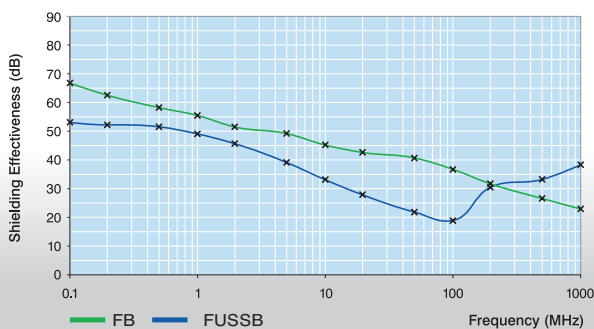
- High mechanical strength
- Highly flexible
- IP rating: IP40
- High abrasion resistance
- Resists hot metal swarf and splashes
- Provides EMC screening
 - 55dB@1MHz (FB)
 - 49dB@1MHz (FUSSB)
- Temperature range -100°C to +300°C
- Inherently Low Fire Hazard (LFH)
- Fully compliant to LUL Std 1-085. (Cert No. 296)
- Nickel plated brass fittings



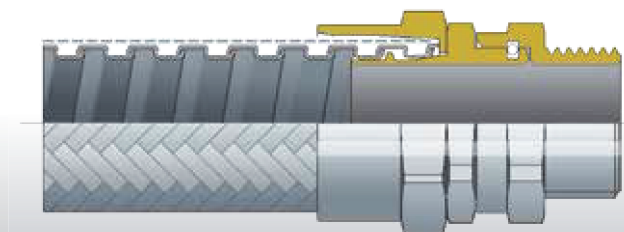
P	90° elbow	locknuts	FCC
plain hole connector nickel plated brass Two part fitting comprising shell and body without thread. The body is fitted through the opposite side of the entry to the conduit and acts as a locking device also providing a smooth entry bush.	internal and external threaded nickel plated brass elbow 90° elbow which can be screwed onto external threaded fittings.	galvanised steel and nickel plated brass locknuts Hexagonal locknut to secure fitting. EMC locknuts have raised corners to ensure good continuity.	plated steel P clip with pvc liner, stainless steel P clips P clip to support and secure conduit.
IP40			

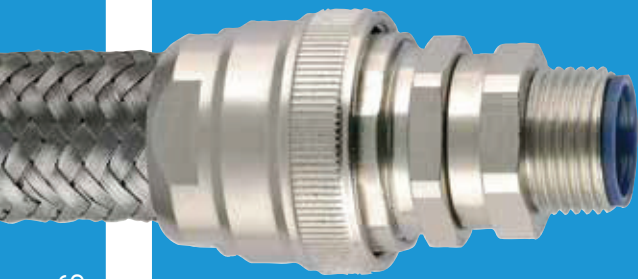
hole size (mm)	part number	metric thread part number	metric thread steel part number	metric thread EMC part number	metric thread brass part number	plated steel part number	stainless steel part number	nominal size (mm)
12	FB12-P	BM90-16M	S-M16	B-M16	FCC12	FCC12-SS*		12
16	FB16-P	BM90-16M BM90-20M	S-M16	B-M16	FCC16	FCC16-SS		16
20	FB20-P	BM90-20M	S-M20	B-M20-EMC B-M20	FCC16	FCC16-SS		16
25	FB25-P	BM90-25M	S-M25	B-M25-EMC	FCC20	FCC20-SS		20
32	FB32-P	BM90-32M	S-M32	B-M32-EMC	FCC25	FCC25-SS		25
40	FB40-P	BM90-40M	S-M40	B-M40-EMC	FCC32	FCC32-SS		32
51	FB50-P	BM90-50M	S-M50	B-M40-EMC B-M50	FCC40	FCC40-SS		40
					FCC50	FCC50-SS*		50

EMC Screening Performance



Ordering Notes





LTPBRD system

galvanised steel core,
thermoplastic elastomer
coated and stainless
steel overbraid



Conduit

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.

Fittings

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

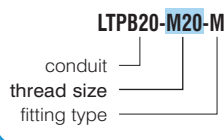


nominal size (mm)	LTPBRD part number	reel length (m)	outside dia (mm)	inside dia (mm)	min inside bend radius (mm)	metric thread part number	metric thread part number
16	LTPBRD16	25	19.3	12.6	45	LTPB16-M16-C	LTPB16-M16-S
16						LTPB16-M20-C	LTPB16-M20-S
20	LTPBRD20	25	22.6	16.0	65	LTPB20-M20-C	LTPB20-M20-S
25	LTPBRD25	25	27.9	21.0	100	LTPB25-M25-C	LTPB25-M25-S
32	LTPBRD32	25	34.6	26.5	135	LTPB32-M32-C	LTPB32-M32-S
40	LTPBRD40	10	43.3	35.4	175	LTPB40-M40-C	LTPB40-M40-S
50	LTPBRD50*+	10	49.3	40.4	230	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



90° elbow

external threaded elbow nickel plated brass

Multipart compression fitting including elastomeric seal. Braid is locked between inner and outer compression nuts.

IP66 IP67 IP68 IP69

RSW

NEW

Polyester Elastomer Retained face sealing washers

Retained sealing washer to maintain IP rating of fitting to adjacent equipment.

locknuts

galvanised steel and nickel plated brass locknuts

Hexagonal locknut to secure fitting. EMC locknuts have raised corners to ensure good continuity.

FCC

plated steel P clip with pvc liner, stainless steel P clips

P clip to support conduit.



metric thread part number

metric thread part number

metric thread steel part number

metric thread EMC part number

metric thread brass part number

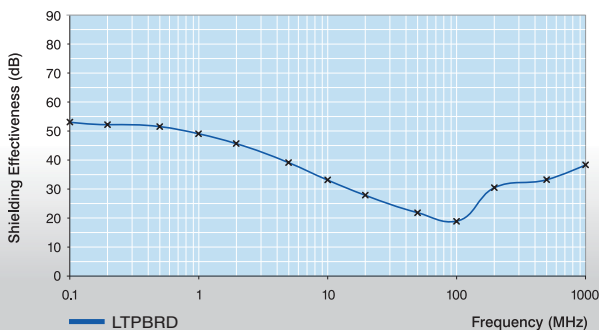
plated steel part number

stainless steel part number

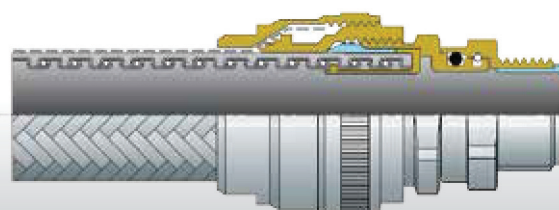
nominal size (mm)

LTPB16-M16-C90	RSW16	S-M16		B-M16	FCC16	FCC16-SS	16
LTPB16-M20-C90	RSW20						16
LTPB20-M20-C90	RSW20	S-M20	B-M20-EMC	B-M20	FCC20	FCC20-SS	20
LTPB25-M25-C90	RSW25	S-M25	B-M25-EMC	B-M25	FCC25	FCC25-SS	25
LTPB32-M32-C90	RSW32	S-M32	B-M32-EMC	B-M32	FCC32	FCC32-SS	32
LTPB40-M40-C90	RSW40	S-M40	B-M40-EMC	B-M40	FCC40	FCC40-SS	40
LTPB50-M50-C90	RSW50	S-M50		B-M50	FCC50	FCC50-SS*	50

EMC Screening Performance



Technical Drawing





FPRSS system corrugated nylon, stainless steel overbraid

FPRTC system corrugated nylon, tinned copper overbraid



Conduit

Fittings

FPRSS

Construction: Standard weight, extra low fire hazard, corrugated nylon (PA6), with stainless steel (316) overbraid.

Typical Applications: Metro rail stations for anti-vandal.

FPRTC

Construction: Standard weight, extra low fire hazard, corrugated nylon (PA6), with tinned copper overbraid.

Typical Applications: Inside railway carriages where screening is required.

FPISS

Construction: Standard weight, corrugated nylon (PA12), with stainless steel (316) overbraid.

Typical Applications: Moving machinery where low temperatures, abrasion and impacts occur.

FPIHSS

Construction: Heavy weight, corrugated nylon (PA12), with stainless steel (316) overbraid.

Typical Applications: Under railway carriages where low temperatures, abrasion, impact and regular movement occurs.

C

fixed external thread nickel plated brass

Multipart compression fitting including conduit retention clip and elastomeric seal. Can be used with knockouts. Braid is locked between inner and outer compression nuts.

IP67

C-S

swivel external thread nickel plated brass

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.

IP67



nominal size (mm)	FPRSS part number	FPRTC part number	FPISS part number	FPIHSS part number	outside dia (mm)	min inside dia (mm)	min inside bend radius (mm)	metric thread part number	metric thread part number	PG thread part number
16	FPRSS16-50M	FPRTC16-50M*	FPISS16-50M*	FPIHSS16-50M	17.3	11.5	35	BC16-M16-C	BC16-M16-S	BC16-PG11-S
20	FPRSS21-50M	FPRTC21-50M*	FPISS21-50M*	FPIHSS21-50M	22.7	15.0	45	BC21-M20-C	BC21-M20-S	BC21-PG16-S
25	FPRSS28-50M	FPRTC28-50M*	FPISS28-50M*	FPIHSS28-50M	30.0	21.3	50	BC28-M25-C	BC28-M25-S	BC28-PG21-S
32	FPRSS34-50M	FPRTC34-50M*	FPISS34-25M*	FPIHSS34-25M	36.0	27.6	60	BC34-M32-C	BC34-M32-S	BC34-PG29-S
40	FPRSS42-25M*	FPRTC42-25M*	FPISS42-25M*	FPIHSS42-25M*	44.0	35.5	70	BC42-M40-C	BC42-M40-S	
50	FPRSS54-25M*	FPRTC54-25M*	FPISS54-25M*	FPIHSS54-25M*	56.0	47.2	80	BC54-M50-C*	BC54-M50-S*	

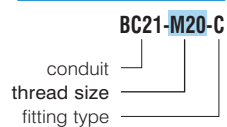
Ordering Notes

* 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



BS EN IEC 61386



Note: refer to conduit properties for applicable standards

properties

FPISS system
corrugated nylon,
stainless steel overbraid



FPIHSS system
corrugated nylon,
stainless steel overbraid



FPRSS & FPRTC

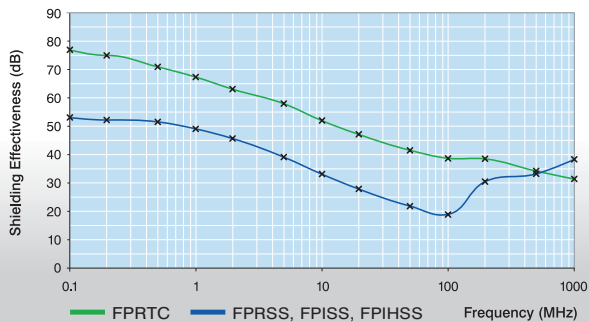
- Highly flexible and high fatigue life
- High impact strength
- Temperature range -40°C to +120°C
- Extra low fire hazard
- Provides EMC screening
49dB@1MHz (FPRSS)
67dB@1MHz (FPRTC)
- FPRSS provides high tensile strength and resistance to abrasion, corrosion and vandals
- Vibration and shock tested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

FPISS & 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

C-90	90° elbow	RSW <small>NEW</small>	sealing washers	locknuts	FCC			
external thread elbow nickel plated brass 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.	internal and external nickel threaded brass elbow 90° elbow which can be screwed onto external threaded fittings.	Polyester Elastomer Retained face sealing washers Retained sealing washer to maintain IP rating of fitting to adjacent equipment.	fibre face sealing washers Sealing washer to maintain IP rating of fitting to adjacent equipment.	galvanised steel and nickel plated brass locknuts Hexagonal locknut to secure fitting. EMC locknuts have raised corners to ensure good continuity.	plated steel P clip with pvc liner, stainless steel P clips 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	RSW16 RSW20 RSW25 RSW32 RSW40 RSW50	FWPG11 FWPG16 FWPG21 FWPG29	S-M16 S-M20 S-M25 S-M32 S-M40 S-M50	B-M16 B-M20-EMC B-M20 B-M25-EMC B-M25 B-M32-EMC B-M32 B-M40-EMC 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

