

LFHU system

Galvanised steel LFH coated

FPU system

Galvanised steel polyurethane coated

IP54

IP65

EXTRA
LOW FIRE
HAZARD
**

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.

Temp: -25°C to +90°C

EXTRA
LOW FIRE
HAZARD
**

EN 45545-2

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.

Temp: -40°C to +100°C

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-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: 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
- Metallic Blue may be subject to MOQ and lead times

- 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 144

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
- 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
- Thread face sealing washers may be required to maintain IP rating at the connection to other equipment, see page 124

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 Multipart compression coupler to connect two conduits together.	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)
	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

Standards



BS EN IEC 61386



Note: refer to conduit properties for applicable standards

Technical Drawing

