

FSU & FNU system

Galvanised steel PVC or nylon coated

IP54

IP65

Conduit

FSU

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

Colour: Black and Grey. Orange available on request*.

Typical Applications: General factory wiring and connections to machines.

Temp: -15°C to +70°C

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.

Temp: -40°C to +120°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.

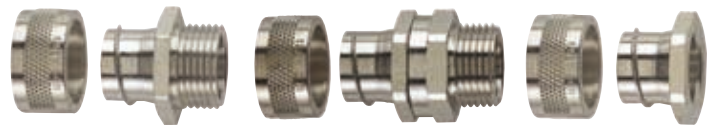
IP54

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)	FSU part number	reel length (m)	FNU 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
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

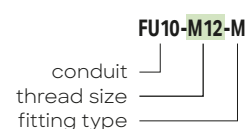
metric thread part number	PG thread part number	metric thread part number	PG thread part number	hole size (mm)	part number
FSU10-M12-M	FSU10-PG7-M	FSU10-M12-S	FSU10-PG7-S	9	FSU10-P
FSU12-M16-M	FSU12-PG9-M	FSU12-M16-S	FSU12-PG9-S	12	FSU12-P
FSU16-M16-M	FSU16-PG11-M	FSU16-M16-S	FSU16-PG11-S	16	FSU16-P
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
- Grey and other colours may be subject to MOQ and lead times

- Available on request:**
 - 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 92)
- Nickel plated brass fittings
- Vibration and shock tested to EN 61373 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		FSU10-E	10
FSU16-M16-F	FSU16-M16-C	FSU16-PG11-C	FSU16-050-C	FSU16-M16-C-S	FSU16-M16-C90		FSU12-E	12
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

Also available in a Contractor Pack – see page 128

Standards

BS EN IEC 61386



Technical Drawing

