FU & SSU system
galvanised steel
and stainless steel

INHERENT
LOW FIRE
HAZARD
★★★

Conduit

INHERENT
LOW FIRE
HAZARD
★★★

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.

HL3

EN 45545-2   NFPA 130

INHERENT
LOW FIRE
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★★★

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.

HL3

EN 45545-2   NFPA 130

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.
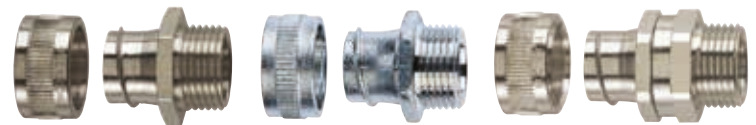
IP40

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.
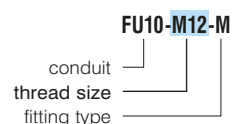
IP40

nominal size (mm)	**FU** part number	reel length (m)	**SSU** part number	reel length (m)	outside dia (mm)	inside dia (mm)	min inside bend radius (mm)	metric thread part number	PG thread part number	metric thread part number	metric thread part number	PG thread part number
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

† SSU12 Minimum bend radius is 50mm

• **Available on request:**
 - longer lengths and bulk packaging
 - cut lengths and assemblies
 - alternative threads

How to read the fittings code

FU10-M12-M

conduit
thread size
fitting type

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
swivel external thread stainless steel	plain hole connector nickel plated brass	fixed internal thread nickel plated brass	plated steel P clip with pvc liner and secure stainless steel P clips	internal and external threaded nickel plated brass elbow
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.	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.	Two part fitting comprising shell and body with internal thread which can be used to connect with an external thread.	P clip to support and secure conduit.	90° elbow which can be screwed onto external threaded fittings to create a 90° elbow termination.
IP40	IP40	IP40		

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*		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 & Approvals

IRIS Certification ISO/TS 22163:2017 — UNDERGROUND — BS EN IEC 61386 — CE — EN 45545-2 — HL3 — REACh✓ — RoHS✓ — NFPA 130 — UKAS

Note: refer to conduit properties for applicable standards

Technical Drawing