

# metallic conduit and fittings

galvanised steel pvc or nylon coated



## type FSU

IP54 IP65

**Construction:** Galvanised steel, helically wound, flexible steel conduit with pvc coating. Colour black. Grey or orange on request.

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

## type FNU

IP54 IP65

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

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

### Conduit

- High mechanical strength
- Highly flexible
- IP rating: IP54 with standard fittings, IP65 with type C compression fittings
- Temperature range FSU -15°C to +70°C  
FNU -40°C to +120°C
- FNU offers high abrasion resistance and solvent resistance
- Low Fire Hazard version available (see type LFHU on page 10)
- Nickel plated brass fittings

### fittings

#### type M

IP54

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.

#### type S

IP54

swivel external thread  
nickel plated brass

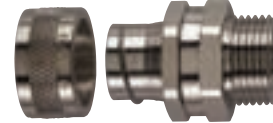
Two part fitting comprising shell and body. The external thread swivels about the main body. Can be used with threaded entries, or knockout secured with a locknut.

#### type P

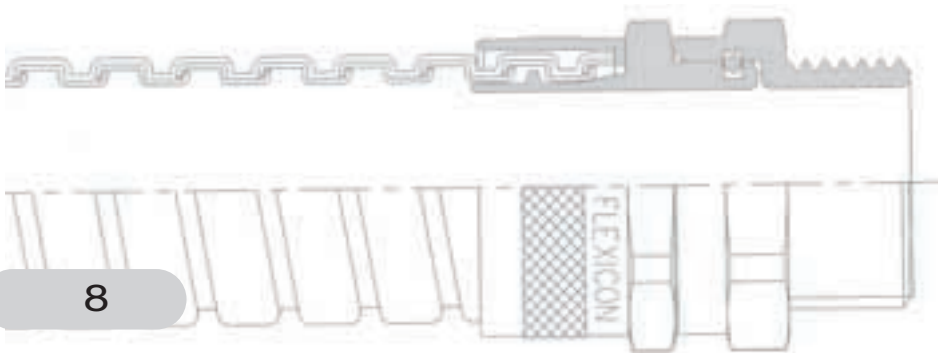
IP54

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.



| nominal size (mm) | FSU         |                 |        | FNU         |                 |                  | metric thread | part number | PG thread   | part number | metric thread | part number | PG thread   | part number | hole size    | part number |                 |
|-------------------|-------------|-----------------|--------|-------------|-----------------|------------------|---------------|-------------|-------------|-------------|---------------|-------------|-------------|-------------|--------------|-------------|-----------------|
|                   | part number | reel length (m) |        | part number | reel length (m) | outside dia (mm) |               |             |             |             |               |             |             |             |              |             | inside dia (mm) |
| 10                | FSU10B      | 25, 50          |        |             |                 |                  | M12           | FSU10-M12-M | PG7         | FSU10-PG7-M | M12           | FSU10-M12-S | PG7         | FSU10-PG7-S | 9            | FSU10-P     |                 |
| 12                | FSU12B      | 25, 50          |        |             |                 |                  | M16           | FSU12-M16-M | PG9         | FSU12-PG9-M | M16           | FSU12-M16-S | PG9         | FSU12-PG9-S | 12           | FSU12-P     |                 |
| 16                | FSU16B      | 10, 25, 50      | FNU16B | 25          | 17.0            | 13.0             | 40            | M16         | FSU16-M16-M | PG11        | FSU16-PG11-M  | M16         | FSU16-M16-S | PG11        | FSU16-PG11-S | 16          | FSU16-P         |
| 16                |             |                 |        |             |                 |                  |               | M20         | FSU16-M20-M |             |               | M20         | FSU16-M20-S |             |              |             |                 |
| 20                | FSU20B      | 10, 25, 50      | FNU20B | 25          | 21.5            | 16.9             | 45            | M20         | FSU20-M20-M | PG16        | FSU20-PG16-M  | M20         | FSU20-M20-S | PG16        | FSU20-PG16-S | 20          | FSU20-P         |
| 25                | FSU25B      | 10, 25, 50      | FNU25B | 25          | 26.0            | 21.1             | 55            | M25         | FSU25-M25-M | PG21        | FSU25-PG21-M  | M25         | FSU25-M25-S | PG21        | FSU25-PG21-S | 25          | FSU25-P         |
| 32                | FSU32B      | 10, 25          | FNU32B | 10          | 34.0            | 28.1             | 70            | M32         | FSU32-M32-M | PG29        | FSU32-PG29-M  | M32         | FSU32-M32-S | PG29        | FSU32-PG29-S | 32          | FSU32-P         |
| 40                | FSU40B      | 10, 25          |        |             | 44.5            | 37.6             | 80            | M40         | FSU40-M40-M | PG36        | FSU40-PG36-M  | M40         | FSU40-M40-S | PG36        | FSU40-PG36-S | 40          | FSU40-P         |
| 50                | FSU50B      | 10, 25          |        |             | 55.0            | 48.4             | 90            | M50         | FSU50-M50-M | PG48        | FSU50-PG48-M  | M50         | FSU50-M50-S | PG48        | FSU50-PG48-S | 51          | FSU50-P         |
| 63                | FSU63B      | 10              |        |             | 64.5            | 57.5             | 115           | M63         | FSU63-M63-M |             |               | M63         | FSU63-M63-S |             |              | 61          | FSU63-P         |
| 75                | FSU75B      | 10              |        |             | 79.0            | 70.0             | 150           | M75         | FSU75-M75-M |             |               |             |             |             |              | 75          | FSU75-P         |



BS EN 50086



Typical applications for type FSU conduit and fittings include general factory wiring.

### fittings

type

**F**

IP54

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.



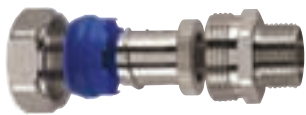
type

**C**

IP65

external thread  
nickel plated brass

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



type

**C90**

IP65

external thread  
elbow  
nickel plated brass

Multipart 90° compression fitting including elastomeric seal.



type

**E**

insert to cap end of  
conduit  
nickel plated brass

Single part, machined insert to cap end of conduit.



### Clips

type

**FCC**

plated steel P clip  
with pvc liner



| metric thread | part number | metric thread | part number  | metric thread | part number   | part number | part number | nominal size (mm) |
|---------------|-------------|---------------|--------------|---------------|---------------|-------------|-------------|-------------------|
|               |             | M12           | FSU10-M12-C  |               |               | FSU10-E     | FCC10       | 10                |
|               |             | M16           | FSU12-M16-C  |               |               | FSU12-E     | FCC12       | 12                |
|               |             | M16           | FSU16-M16-C  |               |               | FSU16-E     | FCC16       | 16                |
| M20           | FSU16-M20-F | M20           | FSU16-M20-C  | M20           | FSU16-M20-C90 | FSU16-E     | FCC16       | 16                |
| M20           | FSU20-M20-F | M20           | FSU20-M20-C  | M20           | FSU20-M20-C90 | FSU20-E     | FCC20       | 20                |
| M25           | FSU25-M25-F | M25           | FSU25-M25-C  | M25           | FSU25-M25-C90 | FSU25-E     | FCC25       | 25                |
| M32           | FSU32-M32-F | M32           | FSU32-M32-C  | M32           | FSU32-M32-C90 | FSU32-E     | FCC32       | 32                |
|               |             | M40           | FSU40-M40-C* |               |               | FSU40-E*    | FCC40       | 40                |
|               |             | M50           | FSU50-M50-C* |               |               | FSU50-E*    | FCC50       | 50                |
|               |             |               |              |               |               |             | FCC63       | 63                |
|               |             |               |              |               |               |             | FCC75       | 75                |

### ordering notes

- Add reel length eg: FSU20B-25M
- FSU fittings used for FNU conduit
- **Available on request:**
  - longer lengths and bulk packaging
  - cut lengths and assemblies
  - other colours
  - stainless steel fittings (grade 316)
  - alternative threads

\*indicates parts made to order on request

