



# FSS system

## stainless steel corrugated conduit

# FSSBRD system

## stainless steel corrugated conduit with overbraid



## Conduit

## Fittings

### FSS



**Construction:** Stainless steel (316L) annularly corrugated conduit. Inherent Low Fire hazard performance with superior Ingress Protection (IP68) and excellent corrosion resistance.

**Typical Applications:** Metro rail stations and tunnels.

**Color:** Self color, also available in Black\* version on request

- IP rating: IP68
- Temperature range -100°C to +400°C
- High Mechanical Strength
- Pull off strength: 100kg (20mm)
- High compression strength 1000kg/100mm
- Inherent low fire hazard
- Compliant to LUL Std S1085 (Pending)
- EN 45545-2 to HL3 and NPFA 130 compliant
- Excellent Corrosion resistance
- Oil resistant
- UV resistant
- Provides EMC screening
- Offers Anti-static properties

IP68

EN 45545-2

NPFA 130

### FSSBRD



**Construction:** Stainless steel (316L) annularly corrugated conduit with stainless steel (316L) overbraid.

**Typical Applications:** Inherent Low Fire hazard performance with superior Ingress Protection (IP68), excellent corrosion resistance and enhanced EMC performance together with abrasion resistance. Metro rail stations and tunnels.

**Color:** Self color

- IP rating: IP68
- Temperature range -100°C to +400°C
- High Mechanical Strength
- High Abrasion resistance
- Pull off strength: 150kg (20mm)
- High compression strength 1000kg/100mm
- Inherent low fire hazard
- Compliant to LUL Std S1085 (Pending)
- EN 45545-2 to HL3 and NPFA 130 compliant
- Excellent Corrosion resistance
- Oil resistant
- UV resistant
- Provides EMC screening – Standard
- Offers Antistatic properties

EN 45545-2

NPFA 130

### C

**fixed external thread nickel plated brass**

Multi-part compression fitting including conduit retention clip and polyester seal. Can be used with knockouts. For BRD version, Braid is locked between inner and outer compression nuts.

**Color:** Self color or also available in Black for FSS version.

IP68



### FCC-SS CLIPS

**stainless steel (316L) P clips**

P clip to support conduit.



nominal size (mm)	FSS					FSSBRD					for use with FSS		for use with FSSBRD		nominal size (mm)
	part number	reel length (m)	outside dia (mm)	inside dia (mm)	min inside bend radius (mm)	part number	reel length (m)	outside dia (mm)	inside dia (mm)	min inside bend radius (mm)					
20	FSS20	25	21.6	16.2	45	FSSBRD20	25	21.6	16.2	60	FSS20-M20-C	FSSBRD20-M20-C	FCC20-SS	FCC20-SS	20
25	FSS25	25	26.8	20.2	55	FSSBRD25	25	28.3	20.2	70	FSS25-M25-C	FSSBRD25-M25-C	FCC25-SS	FCC25-SS	25
32	FSS32	25	32.5	25.4	65	FSSBRD32	25	33.8	25.4	80	FSS32-M32-C	FSSBRD32-M32-C	FCC32-SS	FCC32-SS	32
40	FSS40*	10	41.36	34.1	105	FSSBRD40*	10	43.0	34.1	120	FSS40-MC-C*	FSSBRD40-M40-C*	FCC40-SS	FCC40-SS	40
50	FSS50	10	50.0	40.0	130	FSSBRD50	10	51.2	40.0	145	FSS50-M50-C	FSSBRD50-M50-C	FCC50-SS	FCC50-SS	50

## Properties

- IP rating: IP68
- Temperature range -50°C to +135°C
- Inherently Low Fire Hazard
- Suitable for knockout or threaded entries
- Nickel Plated Brass Fittings
- Conduit throat supplied with fitting to protect cables from cut end of conduit

- High mechanical strength
- Tensile strength with standard fittings 100kg for 20mm size
- Tensile strength with BRD C type fittings 150kg for 20mm size
- BRD type fittings: Braid is locked between inner and outer compression nuts
- Also available in chemically blackened version for FSS

## Ordering Notes

\* Indicates parts made to order on request and may be subject to MOQ and lead-time.

## Standards

EN 45545-2

NPFA 130

