

Product Data Sheet

Application

- A high quality Low Smoke Zero Halogen (LSZH) screened multicore electric cable.
- Sheath contains a triple-action rodent repellent (taste, olfactory and mucous membrane irritant) to repel rodent attack.
- Particular application surface mounted or at installation depths of <50mm in walls, partitions, building voids and trays.
- Aluminium shield provides a 200A fail-safe pathway to earth if pierced by a metallic object, minimising personal injury, exceeding the requirements of BS 8436:2011 and meeting the requirements of BS 7671:2018, regulation 522.6.201-204.
- A robust and lightweight alternative to armoured cable in many above ground applications, has a lower voltage drop than SWA and is quicker, easier and more cost effective to install due to smaller diameter, greater flexibility and easier termination.
- The aluminium shield provides effective electric interference screening.

Construction		Standards	
Core Conductors	Type GP8 XLPE insulated Class 2 plain copper	Construction	BS 8436: 2011
Earth Conductor	Full size Class 2 tinned copper	CPR Classification	BS EN 60332-1-2 BS EN 50399 Dca-s2,d2,a2
Screening	Heavy duty aluminium foil	Conductors	BS EN 60228
Outer Sheath	Low Smoke Zero halogen (LSZH)	Smoke Production	BS EN 61034-2
Conductor Temp. Range	-30/+70 °C	Smoke Acidity	BS EN 60754-2

Standard Product Specifications

Part Number	Description	Conductor size, Class 2 (mm²)	Insulation Thickness (mm)	Core Ø (Nom. mm)	Outer Sheath Thickness (mm)	Outer Ø (Nom. mm)	Mass/100m (Nom. kg)
The normal manufacture of 1.5-4.0 mm² cable is to BS 8436. Voltage rated 300/500 V. Manufacture to IS 273 is available on request.							
FS152-RR0-100-DD001	FlexiShield 1.5 mm² 2c+E	1.5	0.7	2.90	0.9	8.20	10.0
FS153-RR0-100-DD001	FlexiShield 1.5 mm² 3c+E	1.5	0.7	2.90	0.9	9.00	12.0
FS154-RR0-100-DD001	FlexiShield 1.5 mm² 4c+E	1.5	0.7	2.90	1.0	9.80	15.0
FS252-RR0-100-DD001	FlexiShield 2.5 mm² 2c+E	2.5	0.7	3.35	1.0	9.00	13.3
FS253-RR0-100-DD001	FlexiShield 2.5 mm² 3c+E	2.5	0.7	3.35	1.0	10.05	16.7
FS254-RR0-100-DD002	FlexiShield 2.5 mm² 4c+E	2.5	0.7	3.35	1.1	11.50	21.9
FS402-RR0-100-DD001	FlexiShield 4.0 mm² 2c+E	4.0	0.7	3.95	1.1	10.60	18.9
FS403-RR0-100-DD002	FlexiShield 4.0 mm² 3c+E	4.0	0.7	3.95	1.1	11.50	24.1
FS404-RR0-100-DD003	FlexiShield 4.0 mm² 4c+E	4.0	0.7	3.95	1.2	13.00	29.6
The manufacture of 6.0 mm² cable is to IS 273. Voltage rated 600/1000 V.							
FS602-RR0-100-DD002	FlexiShield 6.0 mm² 2c+E	6.0	1.0	5.05	1.0	12.60	27.6
FS603-RR0-100-DD003	FlexiShield 6.0 mm² 3c+E	6.0	1.0	5.05	1.1	14.20	36.0
FS604-RR0-100-DD003	FlexiShield 6.0 mm² 4c+E	6.0	1.0	5.05	1.2	16.50	46.6
10 mm² cable, not standard approved but manufactured to IS 273 requirements. Voltage rated 600/1000 V.							
FS1002-RR0-100-DD003	FlexiShield 10.0 mm² 2c+E	10.0	1.0	6.10	1.2	16.00	44.0

Part Number Key

FS152-RR0-100-DD001					
Product	Conductor size	No. of cores	Sheath colour RR0 = Yellow	Length (meters)	Drum size

Standard Core Colours

2 core		Brown, Blue
3 core		Brown, Grey, Black
4 core		Brown, Blue, Grey, Black

Standard Sheath Colours

RR0	Yellow
Non-toxic and safe to be handled by people, but hand washing after contact is recommended.	

Options and Special Orders

- Available in lengths of 100 m, 150 m*, 200 m, 250 m, 300 m, 500 m and 1000 m (orders in multiples of 100 m).
- Bespoke core colour combinations and sheath colours are available on request (1000 m minimum order).