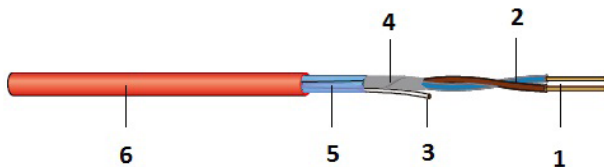


Enhanced Fire Safety Cable solid

Fire alarm cable, 300/500V

halogen-free, with improved fire characteristics,
BS 7629-1 and BS 5839-1 Enhanced



- 1 Conductor: solid
- 2 Insulation: fire resistant special compound (BS 7655)
- 3 Drain wire: tinned copper
- 4 Inner covering: glass fibre tape
- 5 Shielding: Al-laminated tape
- 6 Sheath: FRNC/LSZH



Description

Cable for fire alarm systems and emergency lighting for permanent installation in buildings.
Permitted operating temperature at conductor of +90°C.

Construction

Conductor	Bare copper, solid, IEC 60228 and EN 60228
Core colours	2 cores + earth: blue, brown (Installation only according to BS 7671 – blue neutral, brown phase)
Inner covering	Glass fibre tape
Insulation	Special compound, BS EN 50363-5
Shielding	Al-laminated tape and tinned copper drain wire; IEC 60228, EN 60228

General Properties

Circuit Integrity	No
Insulation integrity	PH 120
Installation temperature	-5 °C - +50 °C
Operating temperature	-15 °C - +90 °C
Outer sheath material	Polyolefin compound, BS 7655-6.1, LTS3

Electrical properties

Nominal voltage	300/500V
Test voltage at 50Hz	2,000 V

Mechanical properties

Minimum bending during installation (multi core)	6 x D
Minimum bending radius permanent (multi core)	6 x D

Standards

Insulation Integrity (FE180)	IEC 60331-11/-21 (180 minutes), VDE 0472-814 (FE180), BS 6387 C/W/Z, IEC 60331-2 (120 minutes), VDE 0482-200 (PH120), AREI-RGIE Art.104-FR1, BS 8434-2, BS EN 50200
Zero halogen no corrosive gases	IEC 60754-1/-2, EN 60754-1/-2, VDE 0482-754-1/-2, AREI-RGIE Art.104-SA
Flame Propagation	IEC 60332-1-2, EN 60332-1-2, VDE 0482-332-1-2, AREI-RGIE Art.104-F1
Flame Spread	IEC 60332-3-22/-24 Cat. A/C, EN 60332-3-22/-24 Cat. A/C, VDE 0482-332-3-22/-24 Cat. A/C, AREI-RGIE Art.104-F2
Smoke Density	IEC 61034-1/-2, EN 61034-1/-2, VDE 0482-1034-1/-2, AREI-RGIE Art.104-SD

Note

Additional dimensions available on request.

Versions

Material number	Product	Outer sheath colour	Number of Cores	Diameter mm ²	Outer sheath diameter [mm]	CU rate [kg/km]	Resistance [Ω/km]	Voltage drop [Ω mV/A/m]	Weight [kg/km]	Fire load [kWh/m]	GTIN / EAN
188368	Enhanced Fire Safety Cable	red	2	1.5	8.3	43	12.1	29	98	0.19	
188369	Enhanced Fire Safety Cable	white	2	1.5	8.3	43	12.1	29	98	0.19	
188370	Enhanced Fire Safety Cable	red	2	2.5	9.7	72	7.41	18	140	0.26	
188371	Enhanced Fire Safety Cable	white	2	2.5	9.7	72	7.41	18	140	0.26	
191679	Enhanced Fire Safety Cable*	red	4	1.5	9.7	72	12.1	29	151	0.28	

* not LPCB certified