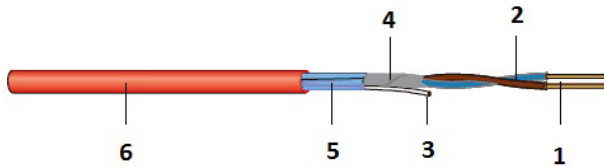


Enhanced Fire Safety Cable solid

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
Insulation	Special compound, BS EN 50363-5
Outer sheath material	Polyolefin compound, BS 7655-6.1, LTS3
Shielding	Al-laminated tape and tinned copper drain wire; IEC 60228, EN 60228

General Properties

Installation temperature	-5 °C - +50 °C
Operating temperature	-15 °C - +90 °C

Electrical properties

Nominal voltage	300/500V
Test voltage 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

Circuit integrity (FE180/PH120)	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
Reaction to fire (Euroclasses)	not classified
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	Diameter mm ²	Outer sheath diameter [mm]	CU rate [kg\km]	Resistance	Voltage drop	Weight [kg\km]	Fire load [kWh\m]
188368	Enhanced Fire Safety Cable	red	1.5	8.3	43	12.1	29	97	0.19
188369	Enhanced Fire Safety Cable	white	1.5	8.3	43	12.1	29	97	0.19
188370	Enhanced Fire Safety Cable	red	2.5	9.7	72	7.41	18	142	0.26
188371	Enhanced Fire Safety Cable	white	2.5	9.7	72	7.41	18	142	0.26
191679	Enhanced Fire Safety Cable*	red	1.5	9.7	72	12.1	29	149	0.28

* not BASEC & LPCB certified