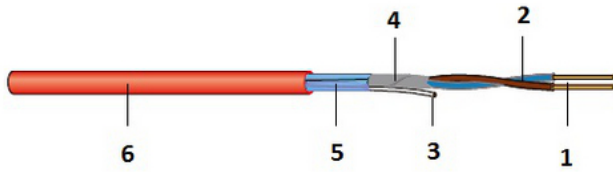


Enhanced Fire Safety Cable solid

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
Insulation	Special compound, BS EN 50363-5
Core colours	2 cores + earth: blue, brown
Inner covering	Glass fibre tape
Shielding	Al-laminated tape and tinned copper drain wire, IEC 60228, EN 60228
Sheath	Polyolefin compound, BS 7655, "LTS3"
Sheath colour	Red (white or black on request)

ELECTRICAL PROPERTIES

Nominal voltage	300/500V
Test voltage	2000V, 50Hz

MECHANICAL PROPERTIES

Minimum bending radius	during and permanent installation	6 x D (D = outer diameter)
Operating temperature	permanent installation	-15°C to +90°C
	during installation	-5°C to +50°C

NOTE

Additional dimensions available on request.

STANDARDS

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
Circuit Integrity (FE180)	IEC 60331-11/-21 (180 minutes), VDE 0472 part 814 (FE180), BS 6387 (cat. CWZ), BS 8434-2 (120 minutes), BS EN 50200 (PH120), IEC 60331-2 (120 minutes), VDE 0482-200, AREI-RGIE Art.104-FR1

VERSIONS

Article No.	Product	Diameter [mm ²]	Sheath colour	Sheath Ø [mm]	Weight [kg/km]	Cu rate [kg/km]	Fire load [kWh/m]
188368	Enhanced Fire Safety Cable	1.5	red	8.3	98	43	0.19
188369	Enhanced Fire Safety Cable	1.5	white	8.3	98	43	0.19
188370	Enhanced Fire Safety Cable	2.5	red	9.7	142	72	0.26
188371	Enhanced Fire Safety Cable	2.5	white	9.7	142	72	0.26
191679	Enhanced Fire Safety Cable	1.5	red	9.7	150	72	0.28