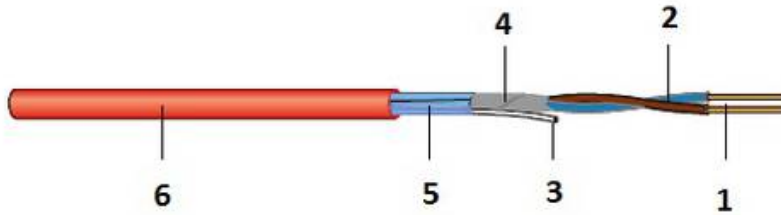


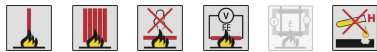
# Enhanced Fire Safety Cable solid

## 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/LS0H



## 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.

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### STANDARDS

Zero halogen, no corrosive gases	IEC 60754-1/-2, EN 50267-2-1/-2-2, VDE 0482-267-2-1/-2-2, 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 (180minutes), 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	Sheath colour	Dimension n x mm <sup>2</sup>	Sheath Ø [mm]	Weight [kg/km]	Cu rate [kg/km]	Fire load [kWh/m]
188368	Enhanced Fire Safety Cable	red	2 x 1.5	8.3	98	43	0.19
188369	Enhanced Fire Safety Cable	white	2 x 1.5	8.3	98	43	0.19
188370	Enhanced Fire Safety Cable	red	2 x 2.5	9.7	141	72	0.26
188371	Enhanced Fire Safety Cable	white	2 x 2.5	9.7	141	72	0.26
191679	Enhanced Fire Safety Cable	red	4 x 1.5	9.7	150	72	0.28