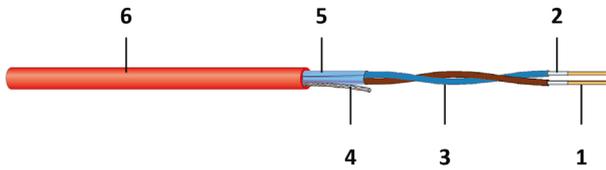


# Enhanced Fire Safety Cable solid

Fire alarm cable, 300/500V

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



- 1 Conductor: solid
- 2 Insulation: Mica fire resistant tape
- 3 Silicon rubber
- 4 Drain wire: tinned copper
- 5 Shielding: Aluminium/polyester 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	Plain annealed copper wire, solid class 1, EN 60228
Insulation	Mica/Glass fire resistant tape. Fire resistant silicon rubber type EI2 to BS EN 50363-1
Core colours	HD 308 S2, BS 7629-1
Shielding	Aluminium/polyester tape and uninsulated tinned copper drain wire; IEC 60228, EN 60228
Outer sheath material	Polyolefin compound, BS 7655-6.1, LTS3

## General properties

Insulation integrity	PH 120
Installation temperature	-5 °C - +50 °C
Operating temperature	-15 °C - +90 °C

## 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 (180 minutes), VDE 0472-814 (FE180), BS 6387 C/W/Z, IEC 60331-2 (120 minutes), VDE 0482-200 (PH120), BS EN 50200
Smoke density	IEC 61034-2, EN 61034-2, VDE 0482-1034-2
Zero halogen no corrosive gases	IEC 60754-1, EN 60754-1, VDE 0482-754-1
Flame propagation	IEC 60332-1-2, EN 60332-1-2, VDE 0482-332-1-2
Flame spread	IEC 60332-3-24, EN 60332-3-24, VDE 0482-332-3-24
LPCB Certificate	LPCB Certificate Number: 172h, Issue: 02

## Note

Additional dimensions available on request.

## Versions

Material number	Product	Outer sheath colour	Outer sheath diameter [mm]	CU rate [kg/km]	Resistance [ $\Omega$ /km]	Voltage drop [ $\Omega$ mV/A/m]	Weight [kg/km]	Fire load [kWh/m]	Packing unit	GTIN / EAN
18836810ZL	Enhanced Fire Safety Cable	red	8.6	43	12.1	29	115	0.19	500 m drum	40393910095913
18836810ZM	Enhanced Fire Safety Cable	red	8.6	43	12.1	29	115	0.19	200 m drum	40393910095906
18836810ZN	Enhanced Fire Safety Cable	red	8.6	43	12.1	29	115	0.19	100 m drum	40393910095890
18836910ZL	Enhanced Fire Safety Cable	white	8.6	43	12.1	29	115	0.19	500 m drum	40393910095852
18836910ZM	Enhanced Fire Safety Cable	white	8.6	43	12.1	29	115	0.19	200 m drum	40393910095845
18836910ZN	Enhanced Fire Safety Cable	white	8.6	43	12.1	29	115	0.19	100 m drum	40393910095838
18837010ZL	Enhanced Fire Safety Cable	red	9.9	72	7.41	18	160	0.26	500 m drum	40393910095791
18837010ZM	Enhanced Fire Safety Cable	red	9.9	72	7.41	18	160	0.26	200 m drum	40393910095784
18837010ZN	Enhanced Fire Safety Cable	red	9.9	72	7.41	18	160	0.26	100 m drum	40393910095777
18837110ZL	Enhanced Fire Safety Cable	white	9.9	72	7.41	18	160	0.26	500 m drum	40393910095739
18837110ZM	Enhanced Fire Safety Cable	white	9.9	72	7.41	18	160	0.26	200 m drum	40393910095722
18837110ZN	Enhanced Fire Safety Cable	white	9.9	72	7.41	18	160	0.26	100 m drum	40393910095715
19167910ZL	Enhanced Fire Safety Cable	red	10.1	72	12.1	29	180	0.28	500 m drum	40393910095005
19167910ZM	Enhanced Fire Safety Cable	red	10.1	72	12.1	29	180	0.28	200 m drum	40393910094992
19167910ZN	Enhanced Fire Safety Cable	red	10.1	72	12.1	29	180	0.28	100 m drum	40393910094985
19632910ZL	Enhanced Fire Safety Cable	white	10.1	72	12.1	29	180	0.28	500 m drum	40393910094046
19632910ZM	Enhanced Fire Safety Cable	white	10.1	72	12.1	29	180	0.28	200 m drum	40393910094039
19632910ZN	Enhanced Fire Safety Cable	white	10.1	72	12.1	29	180	0.28	100 m drum	40393910094022