

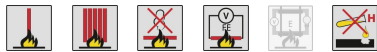
# Standard Fire Safety Cable

## Fire alarm cable, 300/500V

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



- 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 3 cores + earth: brown, black, grey 4 cores + earth: blue, brown, black, grey
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 (other colours 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 during installation	-15°C to +90°C -5°C to +50°C

## NOTE

\* selected sizes

Additional dimensions available on request.

# Standard Fire Safety Cable

## Fire alarm cable, 300/500V

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



### 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 EN 50200 Annex E (30 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]
187204	Standard Fire Safety Cable	red	2 x 1	7.7	78	29	0.17
187205	Standard Fire Safety Cable	white	2 x 1	7.7	78	29	0.17
187209	Standard Fire Safety Cable	red	2 x 1.5	8.3	98	43	0.19
187161	Standard Fire Safety Cable	white	2 x 1.5	8.3	98	43	0.19
187214	Standard Fire Safety Cable	red	2 x 2.5	9.7	141	72	0.26
187162	Standard Fire Safety Cable	white	2 x 2.5	9.7	141	72	0.26
187206	Standard Fire Safety Cable	red	3 x 1	8.1	95	38	0.20
188154	Standard Fire Safety Cable	white	3 x 1	8.1	95	38	0.20
187210	Standard Fire Safety Cable	red	3 x 1.5	8.7	120	58	0.23
187211	Standard Fire Safety Cable	white	3 x 1.5	8.7	120	58	0.23
187215	Standard Fire Safety Cable	red	3 x 2.5	10.3	181	96	0.31
187216	Standard Fire Safety Cable	white	3 x 2.5	10.3	181	96	0.31
187207	Standard Fire Safety Cable	red	4 x 1	9.0	119	48	0.25
187208	Standard Fire Safety Cable	white	4 x 1	9.0	119	48	0.25
187212	Standard Fire Safety Cable	red	4 x 1.5	9.7	150	72	0.28
187213	Standard Fire Safety Cable	white	4 x 1.5	9.7	150	72	0.28
187217	Standard Fire Safety Cable	red	4 x 2.5	11.4	224	120	0.39
188155	Standard Fire Safety Cable	white	4 x 2.5	11.4	224	120	0.39
188317	Standard Fire Safety Cable	red	7 x 1.5	11.6	230	115	0.42