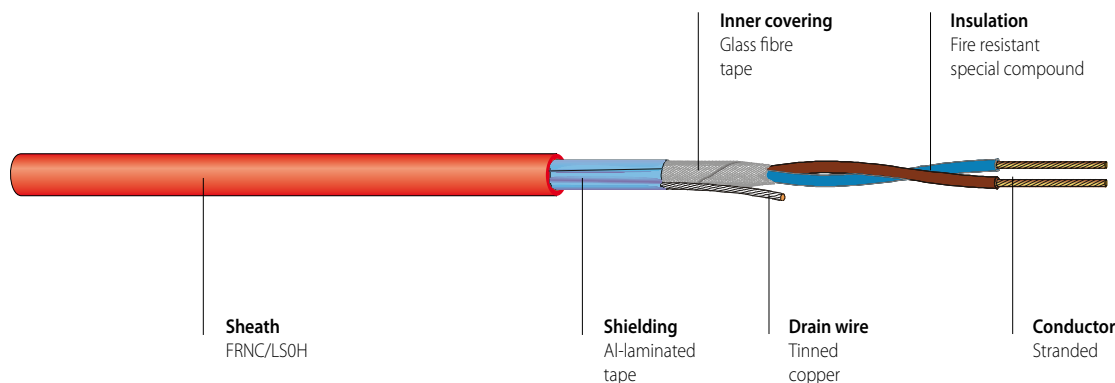


PREVENTIVE FIRE PROTECTION

Standard Fire Safety Cable

Fire alarm cable 300/500V, flex

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



PRODUCT INFORMATION



APPLICATION

Cable for fire alarm systems and emergency lighting for permanent installation in buildings.
Permitted operating temperature at conductor +90°C.

CONSTRUCTION

Conductor	Bare copper, stranded, 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
Separator	Plastic tape
Sheath	Polyolefin compound, BS 7655, "LTS3"
Sheath colour	Red (white or black on request)
Imprint	On request

ELECTRICAL PROPERTIES

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

GENERAL 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

 Zero halogen, non corrosive gases	IEC 60754-1 and IEC 60754-2, EN 50267-2-1, EN 50267-2-2, VDE 0482-267 part 2-1 and part 2-2
 Flame propagation	IEC 60332-1-2, EN 60332-1-2, VDE 0482-332-1-2
 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
 Smoke density	IEC 61034-1/-2, EN 61034-1/-2, VDE 0482-1034-1/-2
 Circuit integrity [FE/PH]	IEC 60331-11/-21 (180 minutes), 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

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PRODUCT INFORMATION

Article No.	Colour	No. of cores x cross section		Cu content	Total weight	Outer diameter	Fire load
		n x mm ²		kg/km	app. kg/km	app. mm	kWh/m
190 438	red	2	x 1,0	29	83	8,0	0,20
190 427	red	2	x 1,5	43	103	8,9	0,23
190 429	red	2	x 2,5	72	152	10,4	0,30
	red	3	x 1,0	38	101	8,5	0,24
190 439	red	3	x 1,5	58	130	9,4	0,27
	red	3	x 2,5	96	190	11,0	0,35
	red	4	x 1,0	48	127	9,4	0,25
	red	4	x 1,5	72	161	10,4	0,31
190 440	red	4	x 2,5	120	235	12,2	0,44

Additional dimensions available on request.