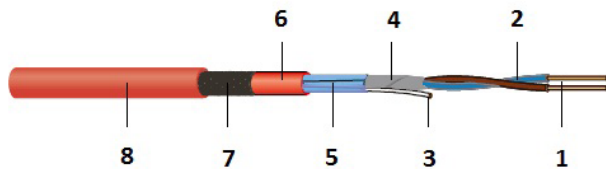


Armoured Standard Fire Safety Cable

Fire alarm cable, 300/500V, with steel wire braiding

halogen-free, with improved fire characteristics,
with reference to BS 7629-1



- 1 Conductor: solid or stranded
- 2 Insulation: fire resistant special compound
- 3 Drain wire: tinned copper
- 4 Inner covering: glass fibre tape
- 5 Shielding: Alu-laminated tape
- 6 Inner sheath: Polyolefin compound
- 7 Armoring: galvanised steel wire band
- 8 Sheath: FRNC/LSZH



Description

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

Construction

Armouring (rodent protection)	Stahldrahtgeflecht mit ca. 70% Überdeckung
Conductor	Bare copper, solid or stranded in accordance with IEC 60228 and EN 60228
Core colours	2 cores + earth: blue, brown; 3 cores + earth: brown, black, grey, 4 cores + earth: blue, brown, black, grey
Inner sheath	Polyolefin compound
Insulation	Special compound, BS EN 50363-5
Outer sheath material	Polyolefin compound, BS 7655-6.1, LTS3
Shielding	Al-laminated tape and tinned copper drain wire, IEC 60228 class 1 or 2, EN 60228

General Properties

Installation temperature	-5 °C - +50 °C
Operating temperature	-15 °C - +90 °C

Electrical properties

Nominal voltage	300/500V
Test voltage 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

Circuit Integrity (FE180)	IEC 60331-11/-21 (180 minutes),VDE 0472-814 (FE180),BS 6387 C/W/Z,IEC 60331-2 (120 minutes),BS EN 50200 Annex E,VDE 0482-200 (PH120),AREI-RGIE Art.104-FR1,BS EN 50200
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

Note

Additional dimensions available on request.

Versions

Material number	Product	Outer sheath colour	Diameter mm ²	Outer sheath diameter [mm]	CU rate [kg\km]	Weight [kg\km]	Fire load [kWh\m]
194031	Armoured Standard Fire Safety Cable	red	1.5	11.5	48	184	0.40

Subject to technical modification

As of 2021-02-01 11:40:18