



CABLE DESCRIPTION

Conductor

Plain annealed copper. Solid (1.0 - 2.5 mm²) or stranded circular conductors (4.0 mm²) to meet the requirements of BS EN 60228 class 1 or class 2.

Insulation

High performance, damage resistant Insudite™ to meet BS EN 50363-5, Type EI5.

Overall metallic screen and CPC

Polyester backed laminated aluminium tape bonded to outer sheath to provide overall screen. In contact with **full sized, tinned annealed copper circuit protective conductor** and laid-up with the cores to provide automatic screen earthing.

Sheath

Robust thermoplastic low smoke, zero halogen and reduced flame propagation outer sheath. Standard colours white and red with bespoke colours available to special order. Suitable for outdoor installation with exposure to normal daylight UV.

Key Applications

- > Fire detection and fire alarm systems for buildings
- > Voice alarm systems
- > Emergency voice communication
- > Emergency and escape lighting
- > Control circuits for life safety and fire fighting systems
- > Other essential service control circuits for 'standard' fire resistance

British Standards. Tests & Approvals

- > BS7629-1, Standard 60 (1.0mm² Standard 30)
- > BS EN 50200 PH30, PH60, PH120 and ANNEX E
- > BS 5839-1, 6, 8 & 9 'standard' fire resisting cable
- > BS 5266-1 'standard' fire resisting cable
- > BS 8519 Category 1 control cable
- > BASEC approved
- > London Underground 1.085 Approved Product Register (Section 12)
- > LPCB approved (specific products and fire tests only)

Core identification

Harmonised - standard

- o o brown-blue
- o o brown-black-grey
- o o o blue-brown-black-grey

Non harmonised - to special order

- o o red-black
- o o red-yellow-blue
- o o o black-red-yellow-blue



Temperature Range
-20 to +70°C



Bending Radius
r=6D



Mechanical Impact
Medium



Fire Performance
BS EN 60332-1-2
BS EN 60332-3-24



Flexibility
Rigid



Halogen Free
BS EN 60754-1



Low Smoke Emissions
BS EN 61034-2



Fire resistance
BS EN 50200 PH30
PH60 & PH120
BS EN 50200 ANNEX E
BS 6387 CWZ