

Fireshield Enhanced

FIRE ALARM CABLE

Fireshield Enhanced Fire Resistant Cable for Essential Systems:

- Where "enhanced" fire resistance has been specified e.g. high rise unsprinklered buildings with phased evacuation procedures, or where areas may continue to be occupied e.g. hospitals
- Where cable must meet the enhanced fire test BS 8434-2 as specified by **BS5839**
- Where circuit integrity must be maintained for extended periods in the event of a fire
- Where the use of halogen free materials is required to avoid dense smoke and corrosive gases

"Enhanced" cables must pass BS8434-2 2003 to meet the fire test described by BS5839; cable is subjected to 60 minutes flame (950 degrees C) and mechanical shock then 60 minutes flame, shock and water.

Extensive testing has shown in addition to enhanced fire resistance, **Fireshield Enhanced** with its overall screen and twisted pairs also has enhanced data capability making it first choice for systems with cutting edge technology in the fields of BMS, addressable and networked systems, CCTV and fire telephones.

Contact our sales team for:

- Educational seminars covering the new standards.
- Additional product information, samples, project reference lists.
- Alternative constructions e.g. 0.5mm² and 0.75mm² multi pair data cables
- Sales visits
- And of course orders!



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**FIRESHIELD CABLE
SYSTEMS
A14483 ISO 9001:2000**



Standards

- Plain annealed copper IEC 60228
- Materials to BS7655, Type LTS 4
- Fire Resistant to IEC 60331 part 21
- Self Extinguishing to IEC 60332-3C
- Halogen free components to IEC 60754-1, IEC 60754-2
- Low Smoke compounds to IEC 61034

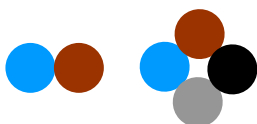
LPCB certified 741a/01
Fire Resistant to BS 8434 part 2
FPC PN111



Certificate 741a/01

Description

Conductor: Plain annealed copper wire
 Insulation: Multi layered Mica tape, Zero Halogen
 Low Smoke Copolymer
 Earth / Drain Wire: Bare tinned annealed copper wire same
 Diameter as core
 Screen: Aluminium polyester laminate screen.
 Sheath: Zero Halogen Low Smoke Copolymer
 Colour: Red (alternatives on request)
 Core Colours: alternatives on request



Technical Data

Product Code	Size mm ²	Construction No / mm	Cores	Nominal OD mm	Approx Weight kg/km	Conductor RDC max at 20°C Ω/Km
FSAL/001/2CG/RD*	1	1/1.13	2*	7.6	120	18.1
FSAL/1.5/2CG/RD*	1.5	1/1.38	2*	8.2	145	12.1
FSAL/2.5/2CG/RD*	2.5	1/1.78	2*	9.5	200	7.41
FSAL/001/4CG/RD	1	1/1.13	4	10.1	215	18.1
FSAL/1.5/4CG/RD	1.5	1/1.38	4	10.4	265	12.1

Operating Voltage: 300V core to earth
 500V core to core
 Temperature rating 0°C to +90°C (Installation)
 -40°C to +90°C (Operational)
 Minimum bend radius 8 x od

* 2 core cable is a single twisted pair.