



PRODUCT DATA

FSDATA/001/05P/RD

## ENHANCED FIRE RESISTANT CABLE

### 1mm<sup>2</sup> 5 twisted pair overall screened Fireshield Fire Resistant Cable

#### Applications

Data / Signal / control cables for essential systems where circuit integrity must be maintained in case of fire and where the use of halogen free materials are advised to avoid dense smoke and corrosive gases.

#### Standards

- Materials to BS7655, Type LTS 4
- Fire Resistant to IEC 60331 part 21
- Fire Resistant to BS 8434-2
- Self Extinguishing to IEC 60332-3C
- Halogen free components to IEC 60754-1, IEC 60754-2
- Low Smoke materials to IEC 61034

#### Details

Conductor:	Plain annealed copper wire 1mm <sup>2</sup> (1/1.13mm)
Insulation:	Mica tape, Zero Halogen Low Smoke Copolymer
Screen:	Overall Aluminium Mylar screen
Drainwire:	16/0.2 tinned copper
Sheath:	Thermoplastic low smoke halogen free (LSOH) copolymer
Colour:	Red
Core Colours:	Blue and white numbered twisted pairs

Nominal overall diameter	18.6 mm nominal
Minimum bend radius	12 x OD
Weight	287 kg/km
Temperature rating	0°C to +90°C (Installation) -40°C to +90°C (Operational)
Conductor RDC maximum at 20°C :	18.1 Ω/Km (max)

Cable must be installed as per requirements of BS 5839-1:2002 to ensure circuit integrity of the system in the event of a fire.