

# Fire Detection and Alarm System Cables

## 8C, 1.50mm<sup>2</sup> Overall Screen, FPLR Type

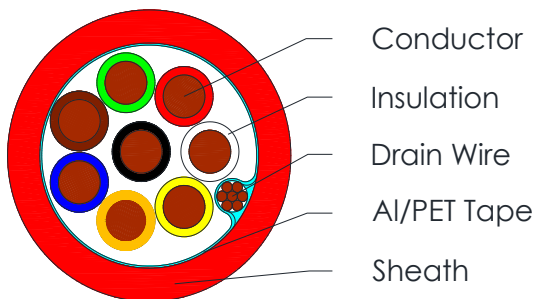


C4395

### Applications

Screened cable suitable for Fire Detection and Alarm Systems.

### Cross Section Drawing



### Design

Unit	Properties
Conductor	Bare Copper wire
Insulation	Polyvinyl Chloride Core 1: Black Core 2: White Core 3: Red Core 4: Green Core 5: Brown Core 6: Blue Core 7: Orange Core 8: Yellow
Screen	Aluminium/Polyester 100% Coverage
Drain Wire	22 AWG (7 x 30) Tinned Copper wire
Sheath Material	Flame-Retardant Polyvinyl Chloride Colour: Red
Standard Put Up Length	305 metres

\*Other Colors, Put Up Lengths and structures can be manufactured upon request, please contact your local B3 International sales representative.

# Fire Detection and Alarm System Cables

## 8C, 1.50mm<sup>2</sup> Overall Screen, FPLR Type



### C4395

#### Physical Characteristics

Part Number	C4395
No of Cores x Conductor size (mm <sup>2</sup> )	8 x 1.50
Nom. Diameter Conductor (mm)	1.39
Nom. Radial Thickness Insulation (mm)	0.6
Nom. Diameter Drain Wire (mm)	0.75
Nom. Radial Thickness Sheath (mm)	1.0
Nom. Overall Diameter (mm)	10.6
Operating Temperature (°C)	-40 to +105
Max. Recommended Pulling Tension (N)	2135
Min. Bend Radius (install) (mm)	106
Nominal Cable Weight (kg/km)	200
Fire Retardancy	FPLR

#### Electrical Characteristics at 20°C

Part Number	C4395
No of Cores x Conductor size (mm <sup>2</sup> )	8 x 1.50
Max. DC Resistance Conductor (Ω/km)	12.1
Max. DC Resistance Screen (Ω/km)	52.7
Capacitance conductor to conductor (pF/m)	150
Capacitance cond. To other cond.+screen (pF/m)	300
Nominal Inductance (μH/m)	0.60
Max. Recommended Current at 25°C (Amps)	4.35
Max. Operating Voltage (Vrms)	300

#### Reference Standards

UL 1666 – UL1424 FPLR
RoHS directives