

Fire Detection and Alarm System Cables

Two Core, Overall Screen, FPL Type

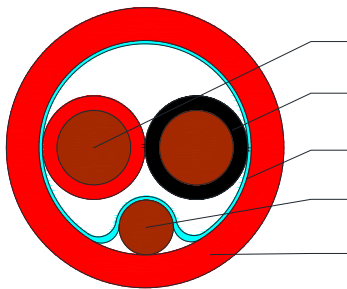


C4142, C4143, C4144

Applications

Screened two core cable suitable for Fire Alarm Systems, Smoke detection, Burglar Alarm, Signaling and voice communications, initiating & Notification devices, signal Line Circuit, Audio Circuit.

Cross Section Drawing



Conductor
Insulation
Al/PET Tape
Drain Wire
Sheath



Design

Unit	Properties
Conductor	2 x Bare Copper wire
Insulation	PVC/Nylon Core 1: Black Core 2: Red
Screen	Aluminium/Polyester 100% Coverage
Drain Wire	Tinned Copper wire
Rip Cord	Nylon Yarn
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.

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Physical Characteristics

Part Number	C4142	C4143	C4144
No of Cores x AWG Gauge	2 x 16AWG	2 x 14AWG	2 x 12AWG
Nom. Diameter Conductor (mm)	1.29	1.63	2.05
Nom. Overall Diameter (mm)	7.5	9.0	10.0
Min. Bend Radius (install) (mm)	75	90	100
Operating Temperature (°C)	-20 to +90		
Fire Retardancy	FPL		

Electrical Characteristics at 20°C

Part Number	C4142	C4143	C4144
No of Cores x AWG Gauge	2 x 16AWG	2 x 14AWG	2 x 12AWG
Max. DC Resistance Conductor (Ω /km)	15.47	9.36	5.61
Max. Operating Voltage (Vrms)	600		

Reference Standards

UL 1666 – UL1424 FPL
RoHS directives