

Fire Detection and Alarm System Cables

Two core, Unscreened, FPL Type

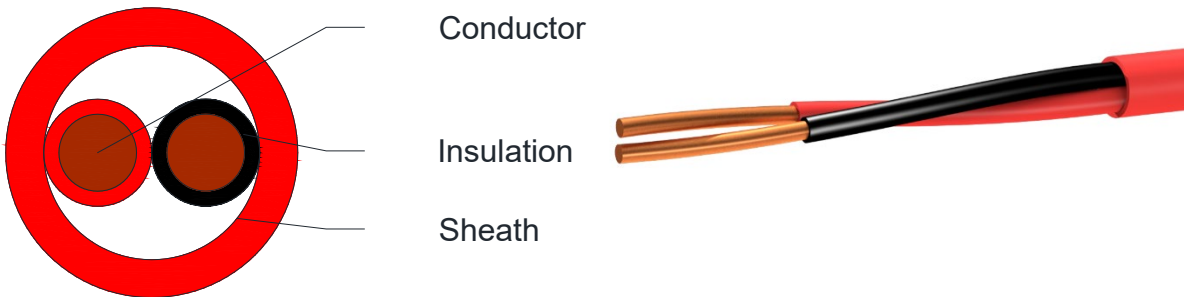


C4837, C4838, C4839, C4840

Applications

Unscreened two core cable suitable for Fire Detection and Alarm Systems.

Cross Section Drawing



Design

Unit	Properties
Conductor	2 x Bare Copper wire
Insulation	Polyvinyl Chloride Core 1: Black, Core 2: Red
Sheath Material	Flame-Retardant Polyvinyl Chloride(PVC) 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	C4837	C4838	C4839	C4840
No of cores x AWG Gauge	2 x 18AWG	2 x 16AWG	2 x 14AWG	2 x 12AWG
Nom. Diameter Conductor (mm)	1.02	1.29	1.63	2.05
Nom. Radial Thickness Insulation (mm)	0.25	0.25	0.25	0.25
Nom. Radial Insulation Diameter (mm)	1.55	1.80	2.13	2.55
Nom. Radial Thickness Sheath (mm)	0.4	0.4	0.4	0.4
Nom. Overall Diameter (mm)	3.9	4.4	5.1	5.9
Operating Temperature (°C)	-40 to +105			
Max. Recommended Pulling Tension (N)	215	345	552	876
Min. Bend Radius (install) (mm)	39	44	51	59
Nominal Cable Weight (kg/km)	23.6	34.0	50.0	74.5
Fire Retardancy	FPL	FPL	FPL	FPL

Electrical Characteristics at 20°C

Part Number	C4837	C4838	C4839	C4840
No of cores x AWG Gauge	2 x 18AWG	2 x 16AWG	2 x 14AWG	2 x 12AWG
Max. DC Resistance Conductor	22.7	15.47	9.36	5.61
Capacitance conductor to conductor	60	65	75	80
Nominal Inductance	0.3	0.5	0.6	0.6
Max. Recommended Current at 25°C	5.3	11	18	24
Max. Operating Voltage	300			

Reference Standards

UL1424
UL1666 FPL
RoHS directives