

Fire Detection and Alarm System Cables

Two Core, Overall Screen, FPL Type

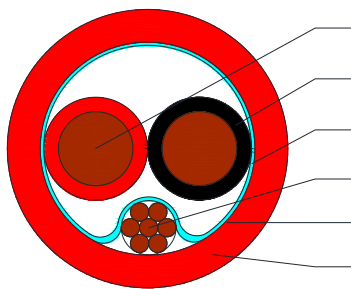


C4290,

Applications

Addressable Fire Systems, Data Circuits, Audio Circuits, Control Circuits, Initiating Circuits, Notification Circuits.

Cross Section Drawing



Conductor
Insulation
Al/PET Tape
Drain Wire
Rip Cord
Sheath



Design

Unit	Properties
Conductor	2 x Bare Copper wire
Insulation	Polyolefin 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	C4290
No of Cores x AWG Gauge	2 x 14
Nom. Diameter Conductor (mm)	1.63
Nom. Radial Thickness Insulation (mm)	0.51
Drain Wire Size (AWG)	20 (7 x 28)
Nom. Diameter Insulation (mm)	2.65
Nom. Radial Thickness Sheath (mm)	0.80
Nom. Overall Diameter (mm)	7.10
Operating Temperature (°C)	-20 to +75
Max. Recommended Pulling Tension (N)	442
Min. Bend Radius (install) (mm)	71.0
Nominal Cable Weight (kg/km)	65.5
Fire Retardancy	FPL

Electrical Characteristics at 20°C

Part Number	C4290
No of Cores x AWG Gauge	2 x 14AWG
Max. DC Resistance Conductor (Ω /km)	9.36
Max. DC Resistance Screen (Ω /km)	43.0
Capacitance conductor to conductor (pF/m)	96.8
Capacitance cond. To other cond.+screen (pF/m)	174
Nominal Inductance (μ H/m)	0.56
Max. Recommended Current at 25°C(Amps)	8.0
Max. Operating Voltage (Vrms)	300

Reference Standards

UL 1685 – UL1424 FPL
RoHS directives