

Audio Control & Instrumentation Cable

1 pr 18AWG, Overall Screen, PVC Sheath

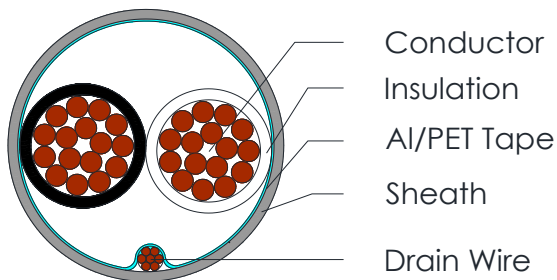


C4842

Applications

Screened one pair cable suitable for Audio Control, Instrumentation and Building Management Systems (BMS)

Cross Section Drawing



Design

Unit	Properties
Conductor	Tinned Copper Wires
Insulation	Polyethylene Core 1: Black Core 2: Clear
Pair	Two wires twisted together
Screen	Aluminium/Polyester 100% Coverage
Drain wire	20 AWG (7 x 28) Tinned Copper wire
Sheath Material	Flame-Retardant Polyvinyl Chloride (PVC) Standard colour: Grey
Standard Put Up Length	305 meters

*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	C4842
Number of pairs	1
Conductor size (AWG)	18
Conductor stranding (AWG)	16x30
Nom. Radial Thickness Insulation (mm)	0.46
Nom. Insulation diameter (mm)	2.16
Nom. Radial Thickness Sheath (mm)	0.7
Nom. Overall Diameter (mm)	5.64
Operating Temperature (°C)	-20 / +60
Max. Recommended Pulling Tension (N)	240
Min. Bend Radius (install) (mm)	56
Nominal Cable Weight (kg/km)	37

Electrical Characteristics

Part Number	C4842
Conductor AWG size (AWG)	18
Max. DC Resistance Conductor (Ω /km)	21.7
Capacitance conductor to conductor (pF/m)	89
Max. Recommended Current at 25°C (Amps)	7.2
Max. Operating Voltage (Vrms)	300

Reference Standards

(BS) EN 50290-2
IEC 60228
IEC 60332-1
UL1581
RoHS directives