

Audio Control & Instrumentation Cable, 2Pairs 22AWG, Overall Screen & PVC Sheath



C1409

Applications

Screened Multi-Conductor cable suitable for Audio, Control, Instrumentation and Building Management Systems (BMS)

Design

Unit	Properties
Conductor	Solid Tinned Copper wire
Insulation	Foam Polyethylene Pair 1: Black and Yellow Pair 2: Red and Blue
Screen	Aluminium/Polyester 100% Coverage
Drain wire	Tinned Copper Wire
Sheath	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.

Physical Characteristics

Part Number	C1409
No of Pairs	2
Nom. Conductor Size(AWG)	22
Nom. Radial Thickness Insulation(mm)	0.89
Nom. Drain Wire Size(AWG)	7 x 30
Nom. Radial Thickness Sheath(mm)	1.0
Nom. Overall Diameter(mm)	10.2
Operating Temperature (°C)	-20 to 75
Max. Recommended Pulling Tension (N)	178
Min. Bend Radius (install)(mm)	100
Nominal Cable Weight (kg/km)	93.8

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Electrical Characteristics at 20°C

Part Number	C1409
Nom. Characteristic Impedance	150
Max. DC Resistance Conductor (Ω /km)	59.6
Max. DC Resistance Screen (Ω /km)	28.9
Nom. Capacitance conductor to conductor (pF/m)	28.6
Nom. Capacitance cond. To other cond.+screen (pF/m)	46.3
Nominal Inductance (μ H/m)	0.89
Nom. Velocity of Propagation (%)	78
Max. Recommended Current at 25°C (Amps)	2.6
Max. Operating Voltage (Vrms)	300

Reference Standards

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