

Audio Control & Instrumentation Cable, 2C, 14AWG Overall Screen, Plenum Grade PVC Sheath

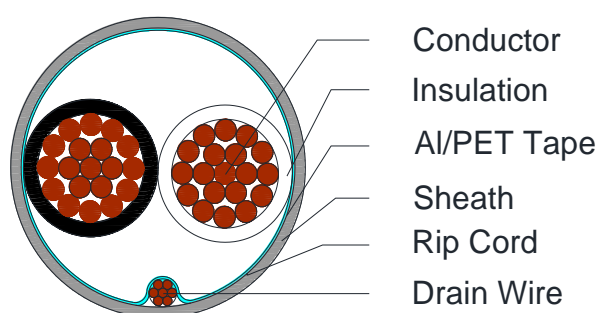


C8701

Applications

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

Cross Section Drawing



Design

Unit	Properties
Conductor	Flexible Bare Copper Wire
Insulation	PVC Core 1: Black Core 2: White
Screen	Aluminium/Polyester Tape
Drain wire	Tinned Copper Wire
Rip cord	Nylon yarn
Sheath	Plenum Grade 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	C8701
No of cores x 14AWG (19X27)	2
Nom. Diameter Conductor(mm)	1.8
Nom. Radial Thickness Insulation(mm)	0.3
Min. Screen Coverage (%)	115
Drain Wire Size (AWG)	24(7 X32)
Nom. Radial Thickness Sheath(mm)	0.8
Nom. Overall Diameter(mm)	6.5
Operating Temperature (°C)	-25 to +75
Max. Recommended Pulling Tension (N)	420
Min. Bend Radius (install)(mm)	65
Nominal Cable Weight (kg/km)	68

Electrical Characteristics at 20°C

Part Number	C8701
Max. DC Resistance Conductor (Ω /km)	9.36
Max. DC Resistance Screen (Ω /km)	78.5
Capacitance conductor to conductor (pF/m)	268
Capacitance cond. To other cond.+screen (pF/m)	482
Max. Recommended Current at 25°C (Amps)	8
Max. Operating Voltage (Vrms)	300

Reference Standards

(BS) EN 50290-2
IEC 60228
NFC 725.154(A), ANSI/NFPA 262
RoHS directives