

Audio Control & Instrumentation Cable 2C to 8C, 12AWG, Unscreened



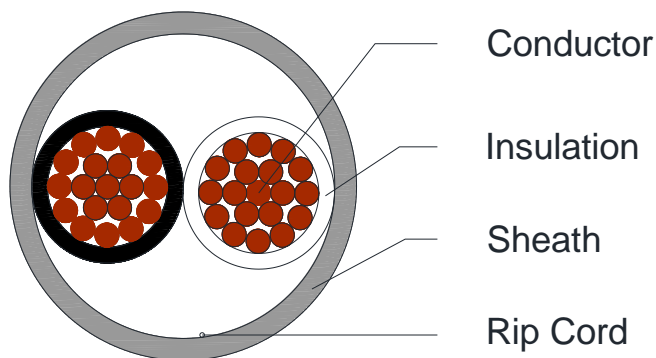
Plenum Grade Sheath

C8323, C8325, C8327, C8329, C8331, C8333

Applications

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

Cross Section Drawing



Design

Unit	Properties
Conductor	N x Bare Copper wire, 12AWG flexible
Insulation	PVC Core 1: Black Core 2: White Core 3: Red Core 4: Green Core 5: Brown Core 6: Blue Core 7: Orange Core 8: Yellow
Rip cord	Nylon yarn
Sheath Material	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

B3 Part Number	C8323	C8325	C8327	C8329	C8331	C8333
No of cores x 12AWG (19 x 25)	2	3	4	5	6	8
Nom. Diameter Conductor	2.3					
Nom. Radial Thickness Insulation (mm)	0.3					
Nom. Radial Thickness Sheath (mm)	0.45					
Nom. Overall Diameter (mm)	6.7	7.2	8.0	8.8	9.6	10.5
Operating Temperature (°C)	-25 / +75					
Max. Recommended Pulling Tension (N)	675	1015	1350	1690	2025	2700
Min. Bend Radius (install) (mm)	67	72	80	88	96	105
Nominal Cable Weight (kg/km)	79.8	112.1	145.3	176.7	209.7	273.7

Electrical Characteristics

B3 Part Number	C8323	C8325	C8327	C8329	C8331	C8333
No of cores x 12AWG (19 x 25)	2	3	4	5	6	8
Max. DC Resistance Conductor (Ω /km)	5.61					
Capacitance conductor to conductor (pF/m)	60					
Nominal Inductance (μ H/m)	0.5					
Max. Recommended Current at 25°C (Amps)	12	12	9.6	8.4	8.4	8.4
Max. Operating Voltage (Vrms)	300					

Reference Standards

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