

# Audio Control & Instrumentation Cable, 2C to 8C, 12AWG Unscreened, Plenum Grade Sheath

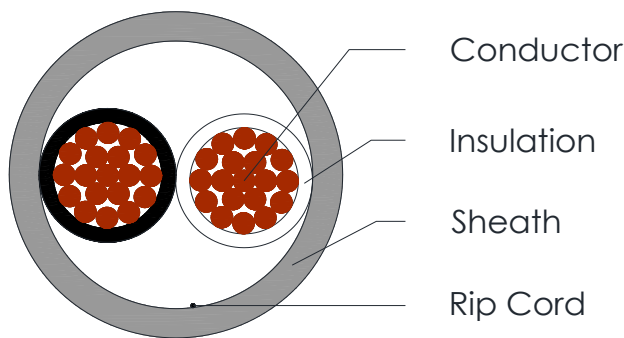


C8335, C8337, C8339, C8341, C8343, C8345

## Applications

Unscreened 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.

**Audio Control & Instrumentation Cable,  
2C to 8C, 12AWG Unscreened,  
Plenum Grade Sheath**



**C8335, C8337, C8339, C8341, C8343, C8345**

**Physical Characteristics**

Part Number	C8335	C8337	C8339	C8341	C8343	C8345
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)	0.65					
Nom. Overall Diameter (mm)	7.2	7.6	8.4	9.2	10.1	11.1
Operating Temperature (°C)	-25 / +75					
Max. Recommended Pulling Tension (N)	675	1015	1350	1690	2025	2700
Min. Bend Radius (install) (mm)	72	76	84	92	101	111
Nominal Cable Weight (kg/km)	92.3	124.8	160.3	194.8	230.6	299.0

**Electrical Characteristics**

Part Number	C8335	C8337	C8339	C8341	C8343	C8345
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)	75	76	80	80	80	80
Nominal Inductance (μH/m)	0.5	0.5	0.5	0.5	0.5	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