

# Audio Control & Instrumentation Cable

## 2C to 8C, 12AWG, Unscreened, PVC Sheath

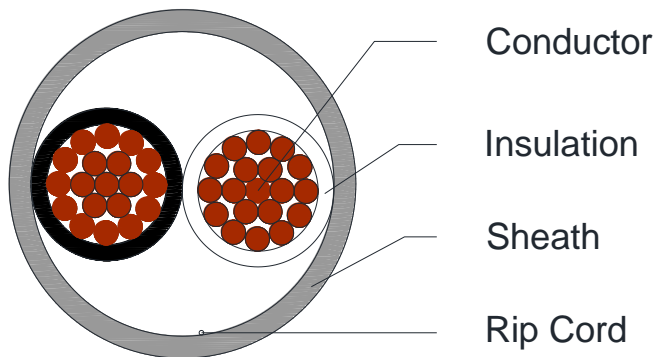


C1323, C1325, C1327, C1329, C1331, C1333

### 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	Polyolefin 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	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	C1323	C1325	C1327	1329	C1331	C1333
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	C1323	C1325	C1327	C1329	C1331	C1333
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 (μH/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
IEC 60332-1
RoHS directives