

Audio Control & Instrumentation Cable, 2C to 8C, 14AWG, Unscreened & PVC Sheath

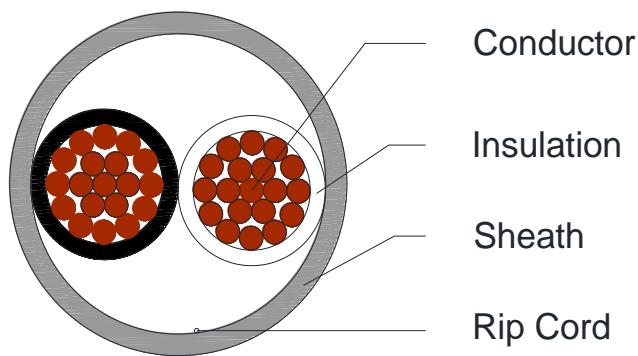


C1002, C1004, C1006, C1249, C1251

Applications

Unscreened Multi-Conductor cable suitable for Audio, Control, Instrumentation and Building Management Systems (BMS). UL listed E486876.

Cross Section Drawing



Design

Unit	Properties
Conductor	N x Bare Copper wire, 14AWG 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	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	C1002	C1004	C1006	C1249	C1251
No of cores x 14AWG (19 x 27)	2	3	4	6	8
Nom. Diameter Conductor(mm)	1.8				
Nom. Radial Thickness Insulation(mm)	0.3				
Nom. Radial Thickness Sheath(mm)	0.4				
Nom. Overall Diameter(mm)	5.75	6.35	6.75	8.4	9.7
Operating Temperature (°C)	-25 to +75				
Max. Recommended Pulling Tension (N)	420	635	845	1265	1685
Min. Bend Radius (install)(mm)	58	64	68	84	97
Nominal Cable Weight (kg/km)	53.3	72.5	97.1	148.2	194.5

Electrical Characteristics at 20°C

Part Number	C1002	C1004	C1006	C1249	C1251
No of cores x 14AWG (19 x 27)	2	3	4	6	8
Max. DC Resistance Conductor (Ω /km)	9.36				
Capacitance conductor to conductor (pF/m)	51	55	55	50	50
Nominal Inductance (μ H/m)	0.5				
Max. Recommended Current at 25°C (Amps)	8	6.4	6.4	5.6	5.6
Max. Operating Voltage (Vrms)	300				

Reference Standards

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