

Audio Control & Instrumentation Cable, 2C to 8C, 18AWG Unscreened & PVC



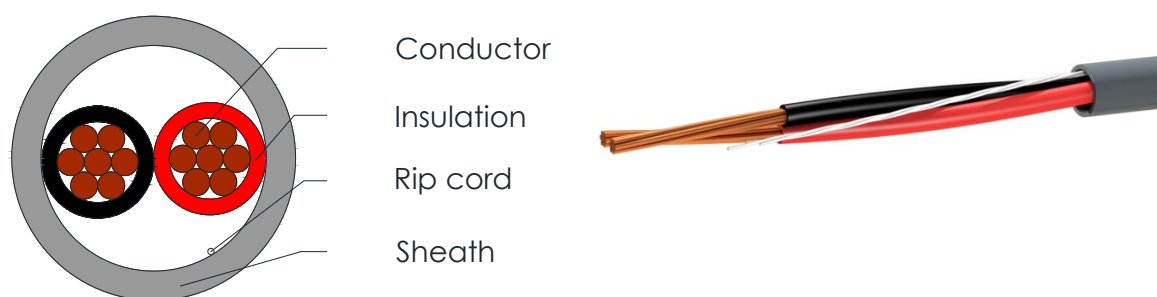
Plenium Rated Sheath

C8014, C8016, C8018, C8054, C8212, C8517, C8259

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, 18AWG flexible
Insulation	Polyolefin Core 1: Black Core 2: Red Core 3: White 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	C8014	C8016	C8018	C8054	C8212	C8517	C8259
No of cores	2	3	4	5	6	7	8
Conductor Construction (AWG)	18 (7 x 26)						
Nom. Diameter Conductor(mm)	1.2						
Nom. Radial Thickness Insulation(mm)	0.2						
Nom. Radial Thickness Sheath(mm)	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Nom. Overall Diameter(mm)	3.9	4.1	4.55	5.2	5.7	5.8	5.9
Operating Temperature (°C)	-25 to +75						
Max. Recommended Pulling Tension (N)	200	299	399	500	600	700	797
Min. Bend Radius (install)(mm)	40	42	46	55	58	58	60
Nominal Cable Weight (kg/km)	27.3	36.9	47.2	58	68.2	77.6	87

Electrical Characteristics at 20°C

Part Number	C8014	C8016	C8018	C8054	C8212	C8517	C8259
No of cores	2	3	4	5	6	7	8
Max. DC Resistance Conductor (Ω /km)	22.7						
Capacitance conductor to conductor (pF/m)	52	55	45	50	50	50	50
Nominal Inductance (μ H/m)	0.5						
Max. Recommended Current at 25°C (Amps)	5	5	4	4	3.5	3.5	3.5
Max. Operating Voltage (Vrms)	300						

Reference Standards

(BS) EN 50290-2	CMP Rated
IEC 60228	RoHS directives