

Audio Control & Instrumentation Cable, 2C to 12C, 16AWG, Unscreened & PVC Sheath

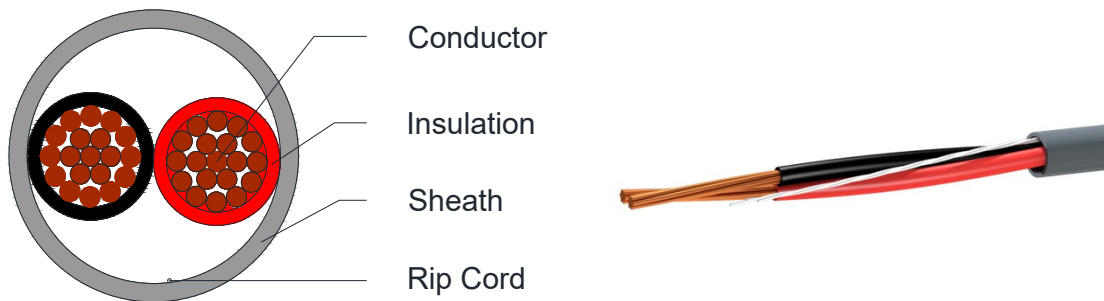


C91008, C91010, C91012, C91253, C91255, C91638, C91698, C94410, C94841, C914126

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, 16AWG 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 Core 9: Purple Core 10: Grey Core 11: Pink Core 12: Tan Black Color with white number identification for cores more than 12
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.

Audio Control & Instrumentation Cable, 2C to 12C, 16AWG, Unscreened & PVC Sheath



C91008, C91010, C91012, C91253, C91255, C91638, C91698, C94410, C94841, C914126

Physical Characteristics

Part Number	C91008	C91010	C91012	C94841	C91253	C91698	C91255	C91638	C94410	C914126
No of cores	2	3	4	5	6	7	8	10	12	16
Conductor Construction (AWG)	16AWG (19 x 29)									
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	0.5	0.5	0.5
Nom. Overall Diameter(mm)	4.5	4.75	5.25	6.0	6.7	6.9	7.5	8.4	8.7	9.5
Operating Temperature (°C)	-25 to +75									
Max. Recommended Pulling Tension (N)	262	391	520	650	780	947	1040	1300	1560	2080
Min. Bend Radius (install)(mm)	46	49	53	60	68	69	76	84	87	95
Nominal Cable Weight (kg/km)	33	35.7	59.1	73	87	107	116.1	133.5	159.6	213.5

Electrical Characteristics at 20°C

Part Number	C91008	C91010	C91012	C94841	C91253	C91698	C91255	C91638	C94410	C914126
No of cores x 16AWG (19 x 29)	2	3	4	5	6	7	8	10	12	16
Max. DC Resistance Conductor (Ω /km)	16.6									
Capacitance conductor to conductor (pF/m)	53	56	55	50	48	47	45	45	45	45
Nominal Inductance (μ H/m)	0.5									
Max. Recommended Current at 25°C (Amps)	6.25	6.25	5.00	4.35	4.35	4.35	4.35	4.35	4.35	4.35
Max. Operating Voltage (Vrms)	300									

Reference Standards

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