

Audio Control & Instrumentation Cable, 2C to 20C, 20AWG, Unscreened & PVC Sheath

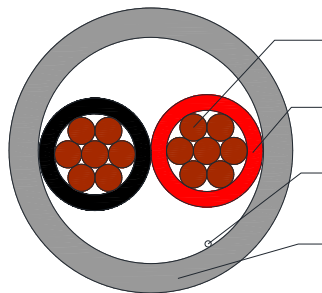


C91020, C91022, C91024, C91261, C91263, C94502, C94503, C94504, C94505

Applications

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

Cross Section Drawing



Conductor
Insulation
Rip cord
Sheath



Design

Unit	Properties
Conductor	N x Bare Copper wire, 20AWG 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.

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Physical Characteristics

Part Number	C91020	C91022	C91024	C91261	C91263	C94502	C94503	C94504	C94505
No of cores x 20AWG (7 x 28)	2	3	4	6	8	10	12	18	20
Nom. Diameter Conductor(mm)	0.87								
Nom. Radial Thickness Insulation(mm)	0.2								
Nom. Radial Thickness Sheath(mm)	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5
Nom. Overall Diameter(mm)	3.4	3.6	4.0	4.9	5.3	6.2	6.4	7.7	7.9
Operating Temperature (°C)	-25 to +75								
Max. Recommended Pulling Tension (N)	112	168	224	336	448	560	672	1008	1120
Min. Bend Radius (install)(mm)	34	36	40	49	53	62	64	77	79
Nominal Cable Weight (kg/km)	19.7	6.2	33.1	47.9	60.6	66.0	77.6	116.5	128.2

Electrical Characteristics at 20°C

Part Number	C91020	C91022	C91024	C91261	C91263	C94502	C94503	C94504	C94505
No of cores x 20AWG (7 x 28)	2	3	4	6	8	10	12	18	20
Max. DC Resistance Conductor (Ω /km)	41.5								
Capacitance conductor to conductor (pF/m)	46	47	47	45	45	45	45	45	45
Nominal Inductance (μ H/m)	0.5								
Max. Recommended Current at 25°C (Amps)	3.75	3.75	3	2.6	2.6	2.6	2.6	2.6	2.6
Max. Operating Voltage (Vrms)	300								

Reference Standards

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