

Audio Control & Instrumentation Cable, 2C to 10C, 20AWG Overall Screen & PVC Sheath

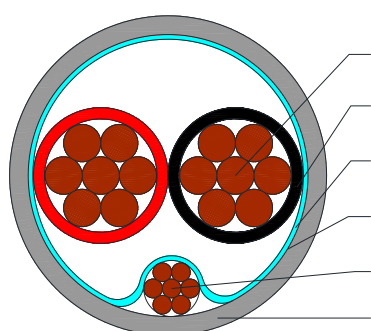


C91019, C91021, C91023, C91260, C91262, C94196, C94284, C94571

Applications

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

Cross Section Drawing



- Conductor
- Insulation
- Al/PET Tape
- Rip Cord
- Drain Wire
- 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
Drain wire	24 AWG (7 x 32)
Screen	Aluminium/Polyester 100% Coverage
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	C91019	C91021	C91023	C94284	C91260	C91262	C94571	C94196
No of cores x 20AWG (7 x 28)	2	3	4	5	6	8	9	10
Nom. Diameter Conductor(mm)	0.87							
Nom. Radial Thickness Insulation(mm)	0.2							
Nom. Radial Thickness Sheath(mm)	0.4							
Nom. Overall Diameter(mm)	3.5	3.7	4.1	4.6	5.0	5.4	5.8	6.3
Operating Temperature (°C)	-25 to +75							
Max. Recommended Pulling Tension (N)	112	168	224	280	336	448	504	560
Min. Bend Radius (install)(mm)	35	37	41	46	50	54	58	63
Nominal Cable Weight (kg/km)	22	28.5	35.4	42.6	49.9	62.9	66.7	70.5

Electrical Characteristics at 20°C

Part Number	C91019	C91021	C91023	C94284	C91260	C91262	C94571	C94196
No of cores x 20AWG (7 x 28)	2	3	4	5	6	8	9	10
Max. DC Resistance Conductor (Ω /km)	41.5							
Max. DC Resistance Screen (Ω /km)	95							
Capacitance conductor to conductor (pF/m)	100	90	90	90	90	75	75	75
Capacitance cond. To other cond.+screen (pF/m)	190	160	160	160	140	140	140	140
Nominal Inductance (μ H/m)	0.5							
Max. Recommended Current at 25°C (Amps)	5	5	5	3.5	3.5	3.5	3.5	3.5
Max. Operating Voltage (Vrms)	300							

Reference Standards

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