

Audio Control & Instrumentation Cable, 2C to 8C, 12AWG, Overall Screen, PE Sheath

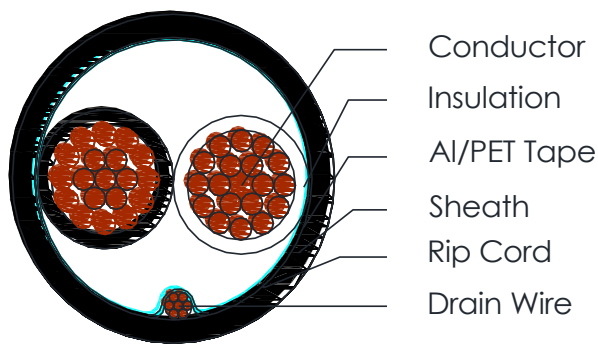


C1851, C1853, C1855, C1857, C1859, C1861

Applications

Screened 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, 12AWG 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
Drain Wire	20 AWG (7 x 28) Tinned Copper
Screen	Aluminium/Polyester 100% Coverage
Rip cord	Nylon yarn
Sheath Material	PE Standard colour: Black
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	C1851	1853	C1855	1857	C1859	C1861
No of cores x 12AWG (19 x 25)	2	3	4	5	6	8
Nom. Diameter Conductor	2.3					
Nom. Radial Thickness Insulation (mm)	0.3					
Nom. Radial Thickness Sheath (mm)	0.65					
Nom. Overall Diameter (mm)	7.3	7.7	8.6	9.4	10.2	11.1
Operating Temperature (°C)	-25 / +75					
Max. Recommended Pulling Tension (N)	675	1015	1350	1690	2025	2700
Min. Bend Radius (install) (mm)	73	77	86	94	102	111
Nominal Cable Weight (kg/km)	83	114	146	178	210	272

Electrical Characteristics

Part Number	C1851	1853	C1855	1857	C1859	C1861
No of cores x 12AWG (19 x 25)	2	3	4	5	6	8
Max. DC Resistance Conductor (Ω /km)	5.61					
Max. DC Resistance Screen (Ω)	78.5					
Capacitance conductor to conductor (pF/m)	105	105	100	100	100	100
Capacitance conductor to other conductors + screen (pF/m)	220	220	180	180	180	175
Nominal Inductance (μ H/m)	0.5					
Max. Recommended Current at 25°C (Amps)	12	12	9.6	8.4	8.4	8.4
Max. Operating Voltage (Vrms)	300					

Reference Standards

(BS) EN 50290-2
IEC 60228
RoHS directives