

Audio Control & Instrumentation Cable, 2C to 8C, 18AWG, Overall Screen & PVC Riser- CMR Sheath

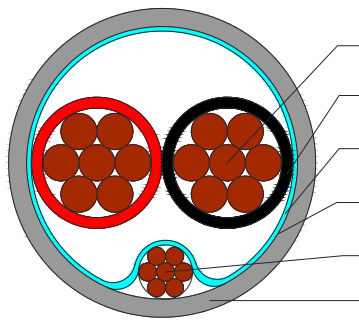


C1631, C1632, C1633, C1634, C1635, C1636

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, 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
Drain wire	24 AWG (7 x 32) Tinned Copper
Screen	Aluminium/Polyester 100% Coverage
Rip cord	Nylon yarn
Sheath	CMR Fire Rated 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	C1631	C1632	C1633	C1634	C1635	C1636
No of cores x 18AWG (7 x 26)	2	3	4	6	7	8
Nom. Diameter Conductor(mm)	1.2					
Nom. Radial Thickness Insulation(mm)	0.2					
Nom. Radial Thickness Sheath(mm)	0.6					
Nom. Overall Diameter(mm)	4.4	4.6	5.0	6.15	6.3	6.8
Operating Temperature (°C)	-25 to +75					
Max. Recommended Pulling Tension (N)	200	299	399	600	620	797
Min. Bend Radius (install)(mm)	44	46	50	62	63	68
Nominal Cable Weight (kg/km)	33.2	42.9	53.5	75.9	84.2	95.0

Electrical Characteristics at 20°C

Part Number	C1631	C1632	C1633	C1634	C1635	C1636
No of cores x 18AWG (7 x 26)	2	3	4	6	7	8
Max. DC Resistance Conductor (Ω /km)	22.7					
Max. DC Resistance Screen (Ω /km)	78.5					
Capacitance conductor to conductor (pF/m)	95	90	75	75	75	75
Capacitance cond. To other cond.+screen (pF/m)	175	170	160	140	140	140
Nominal Inductance (μ H/m)	0.5					
Max. Recommended Current at 25°C (Amps)	5	5	4	3.5	3.5	3.5
Max. Operating Voltage (Vrms)	300					

Reference Standards

(BS) EN 50290-2
IEC 60228
UL 1666, CMR
RoHS directives