

Audio Control & Instrumentation Cable, 2C, 18AWG, Untwisted, Overall Screen & PVC Sheath

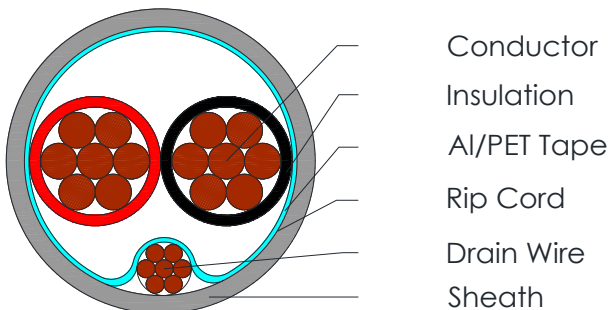


CI 594

Applications

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

Cross Section Drawing



Design

Unit	Properties
Conductor	Bare Copper wire, 18AWG flexible
Insulation	Polyolefin Core 1: Black Core 2: Red
Cabling	Two Cores untwisted
Drain wire	24 AWG (7 x 32) Tinned Copper
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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C1594

Physical Characteristics

Part Number	C1594
No of cores x 18AWG (7 x 26)	2
Nom. Diameter Conductor(mm)	1.2
Nom. Radial Thickness Insulation(mm)	0.2
Nom. Radial Thickness Sheath(mm)	0.4
Nom. Overall Diameter(mm)	4.0
Operating Temperature (°C)	-25 to +75
Max. Recommended Pulling Tension (N)	200
Min. Bend Radius (install)(mm)	40
Nominal Cable Weight (kg/km)	29.6

Electrical Characteristics at 20°C

Part Number	C1594
No of cores x 18AWG (7 x 26)	2
Max. DC Resistance Conductor (Ω /km)	22.7
Max. DC Resistance Screen (Ω /km)	78.5
Capacitance conductor to conductor (pF/m)	95
Capacitance cond. To other cond.+screen (pF/m)	175
Nominal Inductance (μ H/m)	0.5
Max. Recommended Current at 25°C (Amps)	5.0
Max. Operating Voltage (Vrms)	300

Reference Standards

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