

Audio Control & Instrumentation Cable, 4C, 16AWG, Overall Screen & SHIELDED



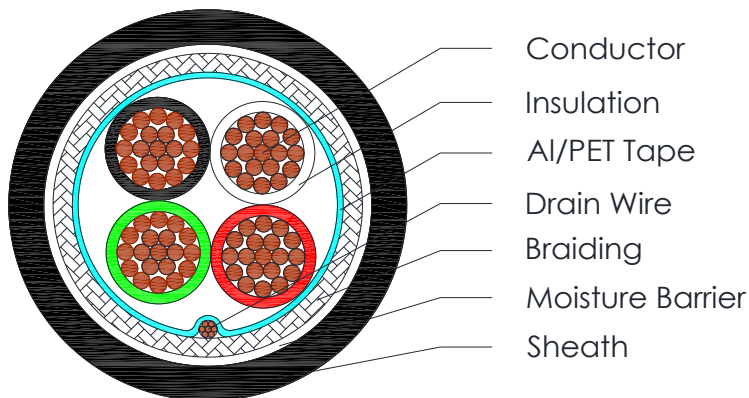
PE Sheath

C6144

Applications

Outdoor cable suitable for Audio, Control, Instrumentation and Building Management Systems (BMS).

Cross Section Drawing



Design

Unit	Properties
Conductor	Bare Copper wire, 16AWG flexible
Insulation	Polyethylene (PE) Core 1: Black Core 2: White Core 3: Red Core 4: Green
Screen	Aluminium/Polyester 100% Coverage
Drain wire	24 AWG (7 x 32) Tinned Copper
Braiding	Tinned Copper Wire
Moisture Barrier	Water swellable Tape
Sheath	UV Resistant Polyethylene (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	C6144
No of cores	4
Conductor construction	16AWG (19 x 29)
Nom. Diameter Conductor(mm)	1.4
Nom. Radial Thickness Insulation(mm)	0.2
Nom. Braiding Coverage (%)	85
Min. Swellable tape coverage (%)	115
Nom. Radial Thickness Sheath(mm)	0.8
Nom. Overall Diameter(mm)	7.0
Operating Temperature (°C)	-25 to +75
Max. Recommended Pulling Tension (N)	537
Min. Bend Radius (install)(mm)	70
Nominal Cable Weight (kg/km)	90

Electrical Characteristics at 20°C

Part Number	C6144
No of cores x 16AWG (19 x 29)	4
Max. DC Resistance Conductor (Ω /km)	15.47
Max. DC Resistance Screen (Ω /km)	8.75
Capacitance conductor to conductor (pF/m)	105
Capacitance cond. To other cond.+screen (pF/m)	185
Max. Recommended Current at 25°C (Amps)	5.1
Max. Operating Voltage (Vrms)	300

Reference Standards

(BS) EN 50290-2
IEC 60228
RoHS directives