

Audio Control & Instrumentation Cable, 1 pair, 18AWG Overall Screen, HFFR/LSZH Sheath

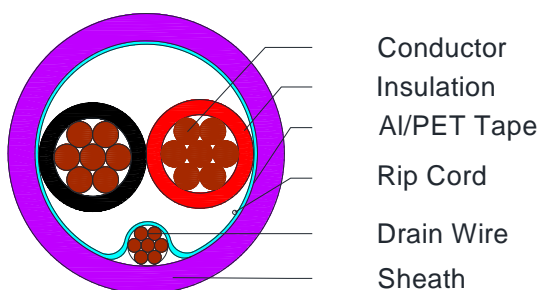


C1721

Applications

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

Cross Section Drawing



Design

Unit	Properties
Conductor	Bare Copper wire, 18AWG flexible
Insulation	HFFR/LSZH Pair 1: Black & Red
Pair	Two cores twisted together as a pair
Screen	Aluminium/Polyester 100% Coverage
Drain Wire	24 AWG (7 x 32) Tinned Copper
Sheath Material	Flame-Retardant Halogen Free (HFFR/LSZH) Standard colour: Purple
Rip Cord	Nylon Yarn
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	C1721
No of Pairs	1
Nom. Diameter Conductor (mm)	1.2
Nom. Radial Thickness Insulation (mm)	0.25
Nom. Radial Thickness Sheath (mm)	0.8
Nom. Overall Diameter (mm)	5.1
Operating Temperature (°C)	-25 / +75
Max. Recommended Pulling Tension (N)	200
Min. Bend Radius (install) (mm)	51
Nominal Cable Weight (kg/km)	37.9

Electrical Characteristics

Part Number	C1721
Max. DC Resistance Conductor (Ω /km)	22.7
Max. DC Resistance Screen (Ω /km)	78.5
Characteristic Impedance (Ω)	40
Capacitance conductor to conductor (pF/m)	150
Capacitance conductor to rest (pF/m)	288
Nominal Inductance (μ H/m)	0.5
Max. Recommended Current at 25°C (Amps)	5
Max. Operating Voltage (Vrms)	300

Reference Standards

(BS) EN 50290-2
IEC 60228
IEC 60754-1 & 2
IEC 61034, IEC 60332-3-24
RoHS directives