

Audio Control & Instrumentation Cable

1 pr, 22AWG, Overall Screen, HFFR/LSZH Sheath

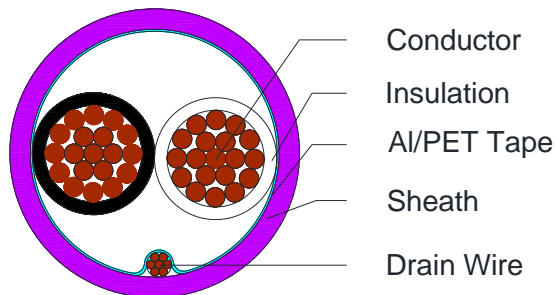


C5275

Applications

Screened one pair cable suitable for Audio, Control, Instrumentation and Building Management Systems (BMS)

Cross Section Drawing



Design

Unit	Properties
Conductor	Flexible Tinned Copper wire
Insulation	Polyethylene Core 1: Black Core 2: Clear
Pair	Two wires twisted together
Drain Wire	24 AWG (7 x 32) Tinned Copper
Screen	Aluminium/Polyester 100% Coverage
Sheath Material	Halogen-Free Flame-Retardant (HFFR/LSZH) Standard colour: Purple
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	C5275
Number of pairs	1
Conductor size (AWG)	22
Conductor stranding (AWG)	7x30
Nom. Radial Thickness Insulation (mm)	0.5
Nom. Radial Thickness Sheath (mm)	0.8
Nom. Overall Diameter(mm)	5.2
Operating Temperature (°C)	-25 / +75
Max. Recommended Pulling Tension (N)	80
Min. Bend Radius (install) (mm)	52
Nominal Cable Weight (kg/km)	28.5

Electrical Characteristics

Part Number	C5275
Impedance (Ω)	90 \pm 10
Max. DC Resistance Conductor (Ω /km)	57.4
Max. DC Resistance Screen (Ω /km)	78.5
Max. Capacitance conductor to conductor (pF/m)	70
Max. Operating Voltage (V_{rms})	300

Reference Standards

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