

Audio Control & Instrumentation Cable, 4C, 18AWG, Overall Screen & HFFR Sheath

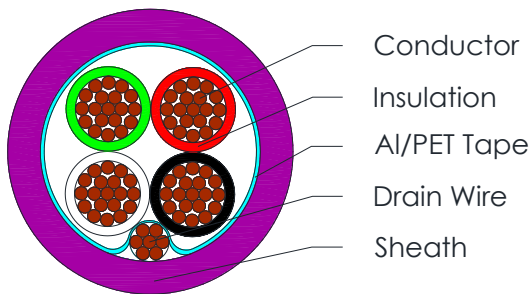


C503 I

Applications

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

Cross Section Drawing



Design

Unit	Properties
Conductor	Flexible Tinned Copper wire
Insulation	Polyolefin Core 1: Red Core 2: Green Core 3: White Core 4: Black
Drain wire	20 AWG (7 x 28) Tinned Copper
Screen	Aluminium/Polyester 100% Coverage
Sheath	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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C5031

Physical Characteristics

Part Number	C5031
No of cores	4
Conductor Configure (AWG)	18 (19 x 30)
Nom. Radial Thickness Insulation(mm)	0.28
Nom. Radial Thickness Sheath(mm)	1.0
Nom. Overall Diameter(mm)	6.5
Operating Temperature (°C)	-20 to +80
Max. Recommended Pulling Tension (N)	445
Min. Bend Radius (install)(mm)	65
Nominal Cable Weight (kg/km)	62.5

Electrical Characteristics at 20°C

Part Number	C5031
No of cores	4
Nom. DC Resistance Conductor (Ω /km)	21.3
Nom. DC Resistance Screen (Ω /km)	27.9
Capacitance conductor to conductor (pF/m)	80
Capacitance cond. To other cond.+screen (pF/m)	144
Max. Recommended Current at 25°C (Amps)	5
Max. Operating Voltage (Vrms)	300

Reference Standards

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