

Audio Control & Instrumentation Cable 2C to 4C, 22AWG, Unscreened,

HFFR/LSZH Sheath

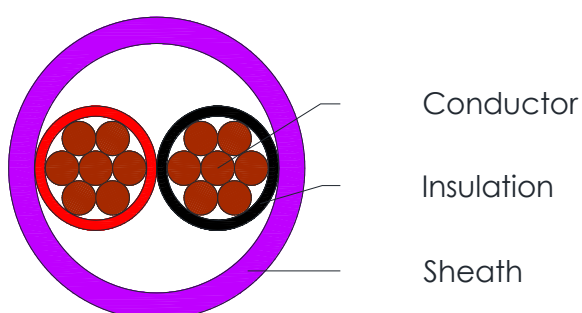


C5100, C5101, C5102

Applications

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

Cross Section Drawing



Design

Unit	Properties
Conductor	Flexible Tinned Copper wire
Insulation	Polypropylene Core 1: Black Core 2: Red Core 3: Green Core 4: White
Sheath Material	Flame-Retardant Halogen Free (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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C5100, C5101, C5102

Physical Characteristics

Part Number	C5100	C5101	C5102
No of cores	2	3	4
Conductor Configuration (mm)	22AWG (7 x 30)		
Nom. Radial Thickness Insulation (mm)	0.38	0.28	0.28
Nom. Radial Thickness Sheath (mm)	0.64	0.81	0.81
Nom. Overall Diameter (mm)	4.3	4.4	4.7
Operating Temperature (°C)	-25 / +75		
Max. Recommended Pulling Tension (N)	80	120	155
Min. Bend Radius (install) (mm)	43	44	47
Nominal Cable Weight (kg/km)	17.8	23.8	31.7

Electrical Characteristics

Part Number	C5100	C5101	C5102
No of cores x 22AWG (7 x 30)	2	3	4
Nom. DC Resistance Conductor (Ω /km)	51.2		
Capacitance conductor to conductor (Pf/m)	41	49	49
Nominal Inductance (μ H/m)	0.66	0.56	0.56
Max. Recom. Current @ 25°C (Amps)	2.9	2.9	2.4
Max. Operating Voltage (Vrms)	300		

Reference Standards

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