

Audio Control & Instrumentation Cable, 2C to 8C, 14AWG Unscreened, HFFR Sheath

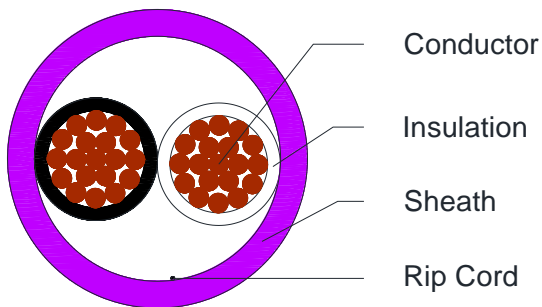


C1702, C1704, C1706, C1708, C1710

Applications

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

Cross Section Drawing



Design

Unit	Properties
Conductor	N x Bare Copper wire, 14AWG flexible
Insulation	HFFR Core 1: Black Core 2: White Core 3: Red Core 4: Green Core 5: Brown Core 6: Blue Core 7: Orange Core 8: Yellow
Rip Cord	Nylon Yarn
Sheath Material	Flame-Retardant Halogen Free (HFFR) 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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C1702, C1704, C1706, C1708, C1710

Physical Characteristics

Part Number	C1702	C1704	C1706	C1708	C1710
No of cores x 14AWG (19 x 27)	2	3	4	6	8
Nom. Diameter Conductor (mm)	1.8				
Nom. Radial Thickness Insulation (mm)	0.3				
Nom. Radial Thickness Sheath (mm)	0.8				
Nom. Overall Diameter (mm)	6.5	6.9	7.5	8.9	9.6
Operating Temperature (°C)	-25 / +75				
Max. Recommended Pulling Tension (N)	420	635	845	1265	1685
Min. Bend Radius (install) (mm)	65	69	75	89	96
Nominal Cable Weight (kg/km)	62.6	84.1	105.8	150.3	191.9

Electrical Characteristics (at 20°C)

Part Number	C1702	C1704	C1706	C1708	C1710
No of cores x 14AWG (19 x 27)	2	3	4	6	8
Max. DC Resistance Conductor (Ω /km)	9.36				
Max. DC Resistance Screen (Ω /km)	78.5				
Capacitance conductor to conductor (Pf/m)	75	75	77	80	80
Nominal Inductance (μ H/m)	0.5				
Max. Recom. Current @ 25°C (Amps)	8	8	6.4	5.6	5.6
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