

Audio Control & Instrumentation Cable 2C to 12C, 22AWG, Unscreened,

HFFR/LSZH Sheath



CI 1742, CI 1744, CI 1746, CI 1748, CI 1750, C5795

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, 22AWG flexible
Insulation	HFFR/LSZH Core 1: Black Core 2: Red Core 3: White Core 4: Green Core 5: Brown Core 6: Blue Core 7: Orange Core 8: Yellow Core 9: Purple Core 10: Grey Core 11: Pink Core 12: Tan
Rip Cord	Nylon Yarn
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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Physical Characteristics

Part Number	C1742	C1744	C1746	C1748	C1750	C5795
No of cores x 22AWG (7 x 30)	2	3	4	6	8	12
Nom. Diameter Conductor (mm)	0.75					
Nom. Radial Thickness Insulation (mm)	0.25					
Nom. Radial Thickness Sheath (mm)	0.6					
Nom. Overall Diameter (mm)	3.9	4.1	4.4	5.2	5.6	6.4
Operating Temperature (°C)	-25 / +75					
Max. Recommended Pulling Tension (N)	50	75	100	150	200	300
Min. Bend Radius (install) (mm)	39	41	44	52	56	64
Nominal Cable Weight (kg/km)	18.5	23.2	27.9	39	48.6	72.9

Electrical Characteristics

Part Number	C1742	C1744	C1746	C1748	C1750	C5795
No of cores x 22AWG (7 x 30)	2	3	4	6	8	12
Max. DC Resistance Conductor (Ω /km)	57.4					
Capacitance conductor to conductor (Pf/m)	55	55	58	57	57	57
Nominal Inductance (μ H/m)	0.5					
Max. Recom. Current @ 25°C (Amps)	2.8	2.8	2.25	1.95	1.95	1.95
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