

Audio Control & Instrumentation Cable, 2C to 12C, 22AWG Overall Screen, HFFR Sheath

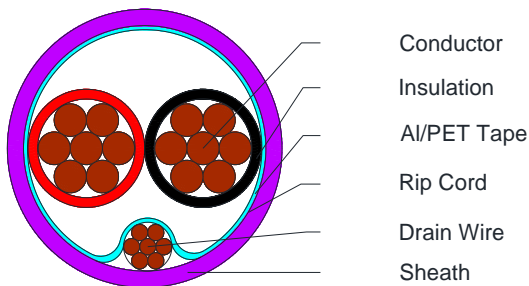


C1741, C1743, C1745, C1747, C1749, C1752

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 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
Drain Wire	24 AWG (7 x 32) Tinned Copper
Screen	Aluminium/Polyester 100% Coverage
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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Physical Characteristics

Part Number	C1741	C1743	C1745	C1747	C1749	C1752
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	7.2
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	72
Nominal Cable Weight (kg/km)	20.5	25.2	29.9	41	50.6	80.1

Electrical Characteristics

Part Number	C1741	C1743	C1745	C1747	C1749	C1752
No of cores x 22AWG (7 x 30)	2	3	4	6	8	12
Max. DC Resistance Conductor (Ω /km)	57.4					
Max. DC Resistance Screen (Ω /km)	78.5					
Capacitance conductor to conductor (pF/m)	115	110	110	105	100	100
Capacitance conductor to rest (pF/m)	200	200	200	185	185	185
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