

Audio Control & Instrumentation Cable

2C to 12C, 20AWG Unscreened, HFFR/LSZH Sheath

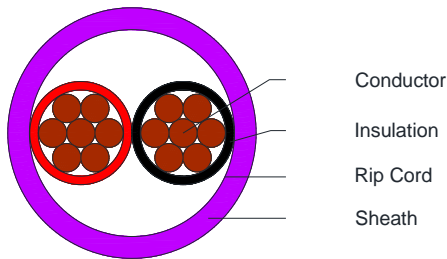


C1732, C1734, C1736, C1753, C1738, C1740, C5794

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, 20AWG 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	C1732	C1734	C1736	C1753	C1738	C1740	C5794
No of cores x 20AWG (7 x 28)	2	3	4	5	6	8	12
Nom. Diameter Conductor (mm)	0.93						
Nom. Radial Thickness Insulation (mm)	0.25						
Nom. Radial Thickness Sheath(mm)	0.65						
Nom. Overall Diameter (mm)	4.3	4.5	4.9	5.4	5.8	6.3	7.2
Operating Temperature (°C)	-25 / +75						
Max. Recommended Pulling Tension (N)	112	168	224	280	336	448	672
Min. Bend Radius (install) (mm)	43	45	49	54	58	63	72
Nominal Cable Weight (kg/km)	27.7	34.5	42.5	50.8	59.1	74.4	112

Electrical Characteristics

Part Number	C1732	C1734	C1736	C1753	C1738	C1740	C5794
No of cores x 20AWG (7 x 28)	2	3	4	5	6	8	12
Max. DC Resistance Conductor (Ω /km)	35.75						
Capacitance conductor to conductor (pF/m)	65	65	68	70	70	70	70
Nominal Inductance (μ H/m)	0.5						
Max. Recom. Current @ 25°C (Amps)	3.75	3.75	3	2.6	2.6	2.6	2.6
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