

Audio Control & Instrumentation Cable, 2C to 12C, 18AWG, Unscreened, HFFR/LSZH Sheath

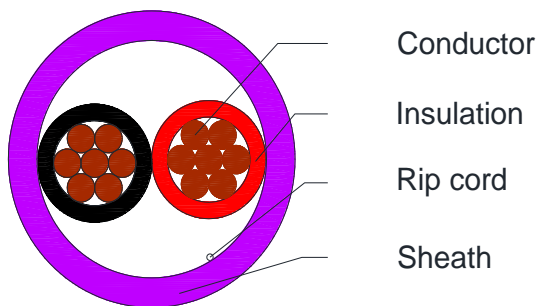


C1722, C1724, C1726, C1754, C1728, C1730, C5203, C5803

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, 18AWG 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
Cabling	Cores laid by twisting
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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HFFR/LSZH Sheath**



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Physical Characteristics

Part Number	C1722	C1724	C1726	C1754	C1728	C1730	C5803	C5203
No of cores x 18AWG (7 x 26)	2	3	4	5	6	8	10	12
Nom. Diameter Conductor (mm)	1.2							
Nom. Radial Thickness Insulation (mm)	0.25							
Nom. Radial Thickness Sheath(mm)	0.65							
Nom. Overall Diameter (mm)	4.7	5.0	5.4	5.9	6.4	6.9	8.1	8.4
Operating Temperature (°C)	-25 / +75							
Max. Recommended Pulling Tension (N)	200	299	399	499	600	797	996	1195
Min. Bend Radius (install) (mm)	47	50	54	59	64	69	81	84
Nominal Cable Weight (kg/km)	34.7	45.5	56	67.2	78.4	99	121	144

Electrical Characteristics

Part Number	C1722	C1724	C1726	C1754	C1728	C1730	C5803	C5203
No of cores x 18AWG (7 x 26)	2	3	4	5	6	8	10	12
Max. DC Resistance Conductor (Ω/km)	22.7							
Capacitance conductor to conductor (pF/m)	65	70	72	75	75	75	75	75
Nominal Inductance (μH/m)	0.5							
Max. Recom. Current @ 25°C (Amps)	5	5	4	3.5	3.5	3.5	3.5	3.5
Max. Operating Voltage (Vrms)	300							

Reference Standards

(BS) EN 50290-2
IEC 60228
IEC 60754-1 & 2
IEC 61034, IEC 60332-3-24
UL1685
RoHS directives