

Audio Control & Instrumentation Cable, 2C to 24C, 18AWG Overall Screen, HFFR/LSZH Sheath

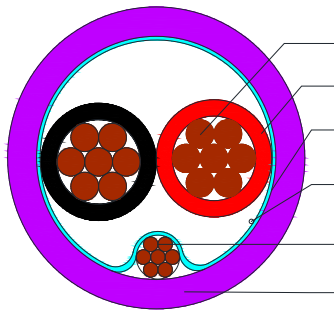


C1721, C1723, C1725, C1700, C1727, C1729, C5521, C5522, C5796

Applications

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

Cross Section Drawing



Conductor
Insulation
Al/PET Tape
Rip Cord
Drain Wire
Sheath



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
	Black Colour with number identification on cores above 12	
Cabling	Cores laid by twisting	
Screen	Aluminium/Polyester 100% Coverage	
Drain Wire	24 AWG (7 x 32) Tinned Copper	
Sheath Material	Flame-Retardant Halogen Free (HFFR/LSZH) Standard colour: Purple	
Rip Cord	Nylon Yarn	
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	C1721	C1723	C1725	C1700	C1727	C1729	C5796	C5521	C5522
No of cores x 18AWG (7 x 26)	2	3	4	5	6	8	10	16	24
Nom. Diameter Conductor (mm)	1.2								
Nom. Radial Thickness Insulation (mm)	0.25								
Nom. Radial Thickness Sheath (mm)	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.80	0.80
Nom. Overall Diameter (mm)	4.8	5.1	5.5	6.0	6.5	7.0	8.2	9.5	11.7
Operating Temperature (°C)	-25 / +75								
Max. Recommended Pulling Tension (N)	200	299	399	499	600	797	1000	1598	2390
Min. Bend Radius (install) (mm)	48	51	55	60	65	70	82	95	117
Nominal Cable Weight (kg/km)	37.9	48.8	59.3	70.5	82.0	102.5	128.1	173.9	182.5

Electrical Characteristics

Part Number	C1721	C1723	C1725	C1700	C1727	C1729	C5796	C5521	C5522
No of cores x 18AWG (7 x 26)	2	3	4	5	6	8	10	16	24
Max. DC Resistance Conductor (Ω /km)	22.7								
Max. DC Resistance Screen (Ω /km)	78.5								
Capacitance conductor to conductor (pF/m)	150	150	150	140	140	135	135	130	130
Capacitance conductor to rest (pF/m)	288	282	270	255	253	240	240	240	240
Nominal Inductance (μ H/m)	0.5								
Max. Recommended Current at 25°C (Amps)	5	5	4	3.5	3.5	3.5	3.5	3.0	3.0
Max. Operating Voltage (Vrms)	300								

Reference Standards

(BS) EN 50290-2	IEC 61034, IEC 60332-3-24
IEC 60228	UL 1685
IEC 60754-1 & 2	RoHS directives