Audio Control & Instrumentation Cable
Individually Screened & HFFR Sheath
18AWG, 3pr, 6pr, 9pr, 12pr & 15pr

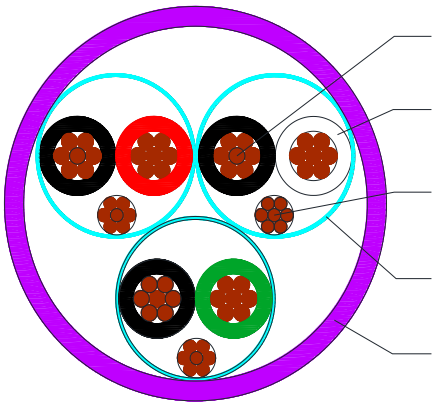
B3 International

C1976, C1977, C1978, C1979, C1980

Applications

Individual screened paired cable suitable for Audio, Control and Instrumentation

Cross Section Drawing



Design

Unit	Properties	
Conductor	Tinned Copper wires	
Insulation	Polypropylene (PP) Pair 1: Black/Red Pair 2: Black/White Pair 3: Black/Green Pair 4: Black/Blue Pair 5: Black/Yellow Pair 6: Black/Brown Pair 7: Black/Orange	Pair 8: Red/White Pair 9: Red/Green Pair 10: Red/Blue Pair 11: Red/Yellow Pair 12: Red/Brown Pair 13: Red/Orange Pair 14: Green/White Pair 15: Green/Blue
Pair	Two wires twisted together	
Drain Wire	20 AWG (7 x 28) Tinned Copper	
Screen	Each pair individually screened with an Aluminium/Polyester foil 100% Coverage	
Sheath Material	HFFR/LSZH (Halogen Free, Flame Retardant) 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	C1976	C1977	C1978	C1979	C1980
Number of pairs	3	6	9	12	15
Conductor size (AWG)	18 (19 x 30)				
Conductor stranding (mm)	1.25				
Nom. Radial Thickness Insulation (mm)	0.48				
Nom. Drain wire size (AWG)	20 (7 x 28)				
Screen Coverage (%)	100				
Nom. Radial Thickness Sheath (mm)	0.89	1.3	1.3	1.3	1.3
Nom. Overall Diameter(mm)	11.0	15.4	18.5	20.4	23.0
Operating Temperature (℃)	-25 / +80				
Max. Recommended Pulling Tension (N)	240	1574	2357	3145	3932
Min. Bend Radius (install) (mm)	110	154	185	204	230
Nominal Cable Weight (kg/km)	124	236	363	409	521

Electrical Characteristics

Part Number	C1976	C1977	C1978	C1979	C1980
Number of pairs	3	6	9	12	15
Max. DC Resistance Conductor (Ω/km)	22.7				
Max. DC Resistance Screen (Ω/km)	29.7				
Capacitance conductor to conductor (pF/m)	98				
Capacitance cond. To other cond.+screen (pF/m)	180				
Nominal Impedance (Ω)	50				
Max. Recommended Current at 25°C (Amps)	3.6	3.6	2.7	2.7	2.7

Reference Standards

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