

Audio Control & Instrumentation Cable

Individually Screened & PVC Sheath

20AWG, 3pr to 9pr

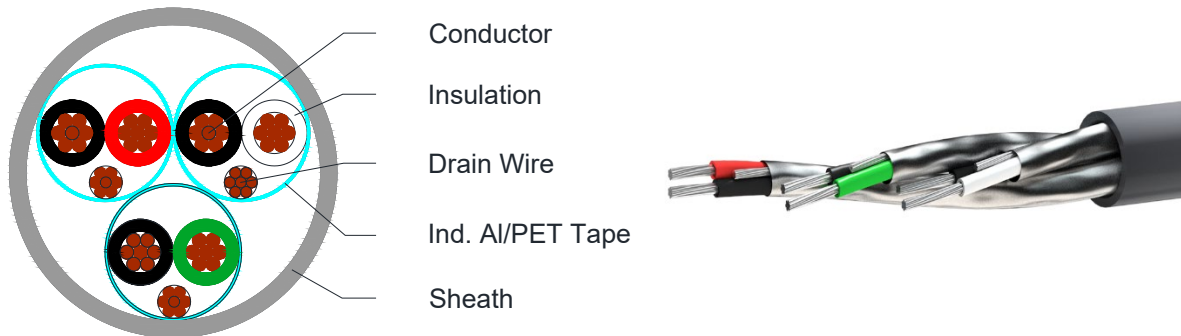


C1273, C1274, C14061, C14062

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	Two wires twisted together
Drain Wire	22 AWG (7 x 30) Tinned Copper
Screen	Each pair individually screened with an Aluminium/Polyester foil 100% Coverage
Sheath Material	Flame-Retardant Polyvinyl Chloride (PVC) Standard colour: Grey
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	C1273	C1274	C14061	C14062
Number of pairs	3	6	8	9
Conductor size (AWG)	20 (7 x 28)			
Nom. Radial Thickness Insulation (mm)	0.38			
Nom. Drain wire size (AWG)	22 (7 x 30)			
Screen Coverage (%)	115			
Nom. Radial Thickness Sheath (mm)	0.90	0.90	1.10	1.30
Nom. Overall Diameter(mm)	8.7	11.3	13.0	14.1
Operating Temperature (°C)	-20 / +80			
Max. Recommended Pulling Tension (N)	472	1139	1265	1390
Min. Bend Radius (install) (mm)	87	113	127	141
Nominal Cable Weight (kg/km)	85	152	198	233

Electrical Characteristics

Part Number	C1273	C1274	C14061	C14062
Number of pairs	3	6	8	9
Nom. DC Resistance Conductor (Ω /km)	34.5			
Nom. DC Resistance Screen (Ω /km)	45.9	37.1	42.1	38.4
Capacitance conductor to conductor (Pf/m)	98			
Capacitance cond. To other cond.+screen (Pf/m)	180			
Nom. Impedance (Ω)	50			
Nom. Inductance (Mh/m)	0.59			
Nom. Velocity of Propagation (%)	66			
Max. Recommended Current at 25°C (Amps)	2.7			
Max. Operating Voltage (Vrms)	300			

Reference Standards

(BS) EN 50290-2
IEC 60228
IEC 60332-1
RoHS directives