

Audio Control & Instrumentation Cable

Individually Screened & PVC Sheath

22AWG, 2pr to 6pr

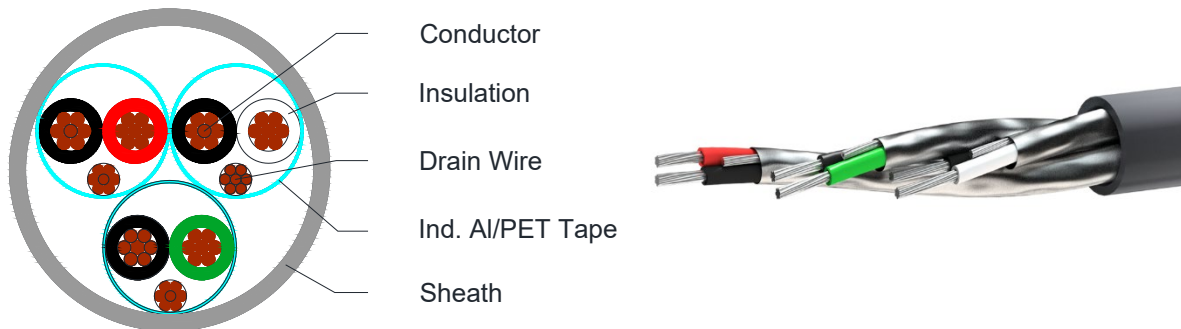


C1196, C1197, C1298, C1299, C1214

Applications

Individual screened paired cable suitable for Audio, Control and Instrumentation

Cross Section Drawing



Design

Unit	Properties
Conductor	Tinned Copper wires
Insulation	Polyethylene (PE) Pair 1: Black/Red Pair 2: Black/White(Green/White for C1196) Pair 3: Black/Green Pair 4: Black/Blue Pair 5: Black/Yellow Pair 6: Black/Brown
Pair	Two wires twisted together
Drain Wire	24 AWG (7 x 32) 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	C1196	C1197	C1298	C1299	C1214
Number of pairs	2	3	4	5	6
Conductor size (AWG)	22 (7 x 30)				
Conductor stranding (mm)	0.75				
Nom. Radial Thickness Insulation (mm)	0.2				
Nom. Drain wire size (AWG)	24 (7 x 32)				
Screen Coverage (%)	115				
Nom. Radial Thickness Sheath (mm)	0.6				
Nom. Overall Diameter(mm)	5.8	6.1	7.0	7.7	8.5
Operating Temperature (°C)	-25 / +75				
Max. Recommended Pulling Tension (N)	185	240	320	400	480
Min. Bend Radius (install) (mm)	60	65	70	77	85
Nominal Cable Weight (kg/km)	36	49	62	74	87

Electrical Characteristics

Part Number	C1196	C1197	C1298	C1299	C1214
AWG size conductor	2	3	4	5	6
Max. DC Resistance Conductor (Ω /km)	57.4				
Max. DC Resistance Screen (Ω /km)	78.6				
Capacitance conductor to conductor (pF/m)	90	98	98	99	99
Capacitance cond. To other cond.+screen (pF/m)	180				
Nominal Impedance (Ω)	50				
Max. Recommended Current at 25°C (Amps)	2.3	2.3	2	2	2

Reference Standards

(BS) EN 50290-2
IEC 60228
IEC 60332-1
UL 1581
RoHS directives