

Plenum Grade Audio Control & Instrumentation Cable

Individually Screened & PVC Sheath

22AWG, 2pr to 6pr

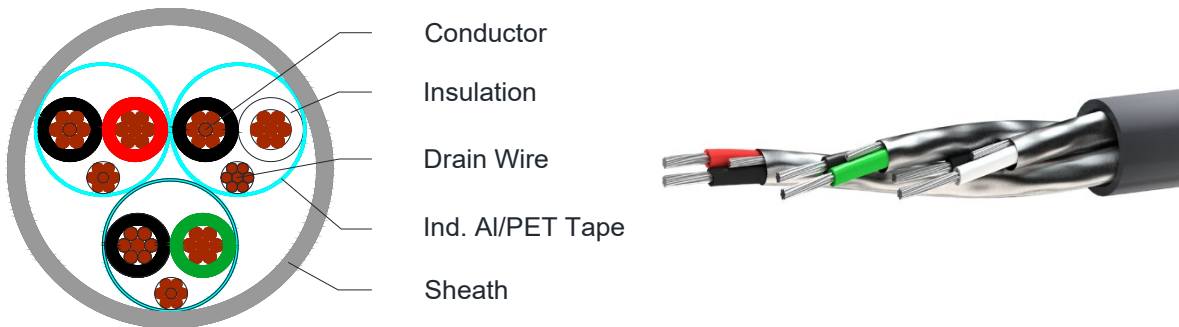


C8196, C8197, C8298, C8299, C8214

Applications

Individual screened paired cable suitable for Audio, Control and Instrumentation

Cross Section Drawing



Design

Unit	Properties
Conductor	Tinned Copper wires
Insulation	Polyvinylchloride (PVC) Pair 1: Black/Red Pair 2: Black/White (Green/White for C8196) 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	Plenum Grade Flame-Retardant Polyvinyl Chloride (CMP 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	C8196	C8197	C8298	C8299	C8214
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)	0.10				
Nom. Drain wire size (AWG)	24 (7 x 32)				
Screen Coverage (%)	115				
Nom. Radial Thickness Sheath (mm)	0.6				
Nom. Overall Diameter(mm)	5.2	5.6	6.1	6.3	7.0
Operating Temperature (°C)	0 / +60				
Max. Recommended Pulling Tension (N)	185	240	320	400	480
Min. Bend Radius (install) (mm)	52	56	61	63	70
Nominal Cable Weight (kg/km)	36	49	62	74	87

Electrical Characteristics

Part Number	C8196	C8197	C8298	C8299	C8214
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)	150	150	152	155	155
Capacitance cond. To other cond.+screen (pF/m)	295				
Nominal Impedance (Ω)	36				
Max. Recommended Current at 25°C (Amps)	2.3	2.3	2	2	2
Max. Operating Voltage	300				

Reference Standards

(BS) EN 50290-2
IEC 60228
NFC 725.154(A), ANSI/NFPA 262
RoHS directives