

Audio Control & Instrumentation Cable

9 Pairs, 20AWG, Ind. Screened, PVC Sheath

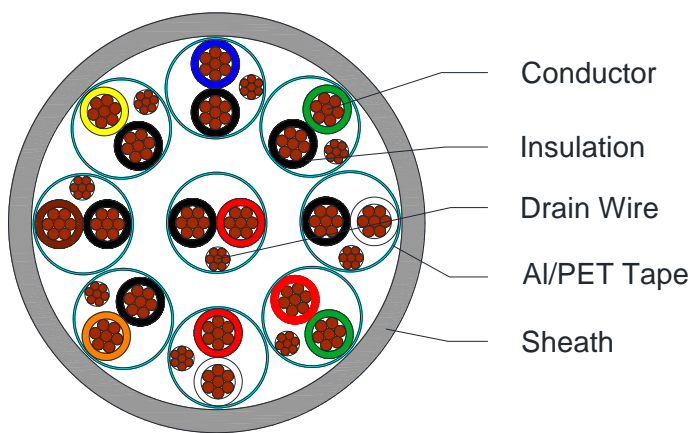


CI29I

Applications

Individual screened cable Suitable for Audio, Control and Instrumentation

Cross Section Drawing



Design

Unit	Properties
Conductor	Tinned Copper wire
Insulation	Polypropylene 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
Drain wire	Tinned Copper wire
Individual Screen	Aluminium/Polyester Foil
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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C1291

Physical Characteristics

Part Number	C1291
Number of Pairs	9
Nom. Diameter Conductor (AWG)	20
Conductor stranding (AWG)	7 x 28
Nom. Radial Thickness Insulation (mm)	0.38
Drain wire size (AWG)	22AWG (7 x30)
Coverage of screen (%)	115
Nom. Radial Thickness Sheath (mm)	1.30
Nom. Overall Diameter (mm)	14.0
Operating Temperature (°C)	-25°C to +80°C
Max. Recommended Pulling Tension (N)	145
Min. Bend Radius (install) (mm)	140
Nominal Cable Weight (kg/km)	72

Electrical Characteristics

Part Number	C1291
Max. Conductor Resistance (Ohm/km)	35.75
Max. Screen Resistance (Ohm/km)	37
Impedance (Ω)	50
Capacitance cond to cond (pF/m)	98
Capacitance Cond to rest (pF/m)	180
Velocity of Propagation (%)	66
Inductance (μ H/m)	0.59
Max. Current at 25°C (Amps)	2.0
Operating Voltage (Vrms)	300
Min. Insulation Resistance (MOhm*km)	200

Reference Standards

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