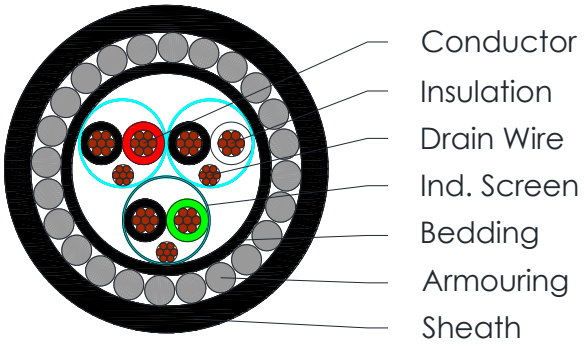
Audio Control & Instrumentation Cable
2 to 6pr, 22AWG, Individual Screened, Armoured HFFR/LSZH Sheath

C5961

Applications

low voltage analog signals (4-20ma, 0-10v, ...); low voltage digital control (24v, ⋯); line level audio; computer communication; panel wiring.

Cross Section Drawing



Design

Unit	Properties
Conductor	Tinned Copper wires, Flexible
Insulation	Polypropylene (PP) Pair 1: Black/Red Pair 2: Black/White Pair 3: Black/Green
Pair	Two wires twisted together
Drain Wire	Tinned Copper
Screen	Each pair individually screened with an Aluminium/Polyester foil tape
Bedding	HFFR/LSZH
Armouring	Galvanized Steel Wire
Sheath Material	Halogen Free Fire Retardancy (HFFR-LSZH) Color: Chrome RAL 7037 or Black RAL 9017
Standard Put Up Length	305 or 500 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	C5961
Number of pairs	3
Conductor size (AWG)	22 (7 x 30)
Nom. Insulation Diameter (mm)	1.27
Nom. Drain wire size (AWG)	24 (7 x 32)
Screen Coverage (%)	115
Nom. Radial Thickness Bedding (mm)	0.8
Nom. Bedding Diameter (mm)	7.0
Nom. Steel Wire Diameter (mm)	0.90
Min. Coverage (%)	95
Nom. Radial Thickness Sheath (mm)	1.35
Nom. Overall Diameter (mm)	11.5
Operating Temperature (Moving installation) (°C)	-15 to +80
Operating Temperature (Fixed installation) (°C)	-15 to +80
Min. Bend Radius (install) (mm)	115

Electrical Characteristics

Part Number	C5961
Nom. Characteristic Impedance (Ω)	50
Nom. DC Resistance Conductor (Ω/km)	49.2
Nom. DC Resistance Screen (Ω/km)	34.8
Capacitance conductor to conductor (pF/m)	98
Capacitance cond. To other Cond.+screen (pF/m)	180
Nom. Inductance (µ H/m)	0.59
Max. Recommended Current at 25°C (Amps)	2.0
Max. Operating Voltage (Vrms)	300

Reference Standards

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