

Audio Control & Instrumentation Cable, 2C to 8C, 14AWG, Unscreened & SWA Armoured PVC Sheath

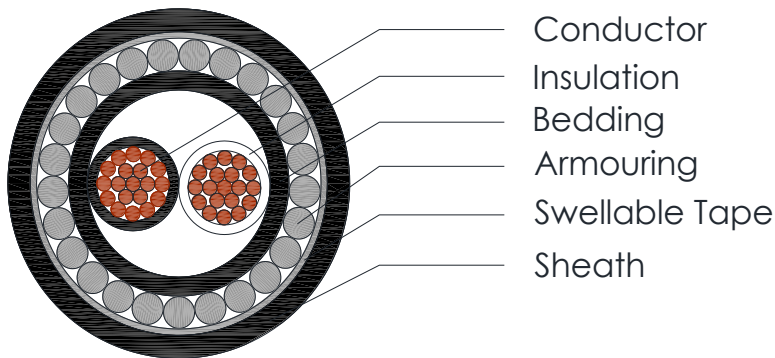


C4942, C4943, C4944, C4945, C4946

Applications

Direct buried Multi-Conductor cable suitable for Audio, Control, Instrumentation and Building Management Systems (BMS).

Cross Section Drawing



Design

Unit	Properties
Conductor	N x Bare Copper wire, 14AWG flexible
Insulation	Polyolefin Core 1: Black Core 2: White Core 3: Red Core 4: Green Core 5: Brown Core 6: Blue Core 7: Orange Core 8: Yellow
Bedding	Polyvinyl Chloride (PVC)
Armoured	Galvanized Steel Armour (SWA)
Moisture Barrier	Swellable Tape
Sheath	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.

**Audio Control & Instrumentation Cable,
2C to 8C, 14AWG, Unscreened & SWA Armoured
PVC Sheath**



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Physical Characteristics

Part Number	C4942	C4943	C4944	C4945	C4946
No of cores x 14AWG (19 x 27)	2	3	4	6	8
Nom. Diameter Conductor(mm)	1.8				
Nom. Radial Thickness Insulation(mm)	0.3				
Nom. Radial Thickness Sheath(mm)	0.8				
Nom. Bedding Diameter(mm)	6.5	7.2	7.5	9.2	10.5
Steel wire Diameter (mm)	0.90				
Nom. Radial Thickness Bedding(mm)	1.0				
Nom. Overall Diameter(mm)	10.9	11.6	11.9	13.6	14.9
Operating Temperature (°C)	-25 to +75				
Min. Bend Radius (install)(mm)	160	174	178	200	220

Electrical Characteristics at 20°C

Part Number	C4942	C4943	C4944	C4945	C4946
No of cores x 14AWG (19 x 27)	2	3	4	6	8
Max. DC Resistance Conductor (Ω /km)	9.36				
Capacitance conductor to conductor (pF/m)	51	55	55	50	50
Nominal Inductance (μ H/m)	0.5				
Max. Recommended Current at 25°C (Amps)	8	6.4	6.4	5.6	5.6
Max. Operating Voltage (Vrms)	300				

Reference Standards

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