

Audio Control & Instrumentation Cable 2C to 50C, 18AWG Overall Screen, SWA Armour



PVC Sheath

C4900, C4901, C4902, C4903, C4904, C4905, C4906, C4907, C4908

Applications

Outdoor cables suitable for Audio, Control, Instrumentation and Building Management Systems (BMS)

Cross Section Drawing



Design

Unit	Properties
Conductor	Flexible Bare Copper wire
Insulation	Polyolefin Core 1: Black Core 2: Red Core 3: White Core 4: Green Core 5: Brown Core 6: Blue Core 7: Orange Core 8: Yellow Cores more than and including 24cores: Black with numbers
Screen	Aluminium/Polyester tape
Drain Wire	Tinned Copper Wire
Bedding	Polyvinyl Chloride (PVC)
Armour	Galvanized Steel wire
Wrapping	Fabric tape
Sheath	UV Resistance Polyvinyl Chloride (PVC) Standard colour: Black
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	C4900	C4901	C4902	C4903	C4904	C4905	C4906	C4907	C4908
No of cores x 18AWG (7 x 26)	2	3	4	6	8	24	30	40	50
Nom. Diameter Conductor (mm)	1.2								
Nom. Radial Thickness Insulation (mm)	0.25								
Screen Coverage (%)	115								
Drain wire size (AWG)	24(7×32)								
Nom. Radial bedding Thickness (mm)	0.8	0.8	0.8	0.8	0.8	1.0	1.0	1.1	1.2
Nom. Bedding Diameter (mm)	5.1	5.4	5.8	6.8	7.3	12.3	13.0	14.7	15.9
Nom. SWA wire Diameter (mm)	0.90	0.90	0.90	0.90	0.90	1.25	1.25	1.25	1.60
Nom. Radial sheath Thickness (mm)	1.25	1.25	1.25	1.25	1.25	1.40	1.40	1.50	1.60
Nom. Overall diameter (mm)	9.4	9.7	10.1	11.1	11.6	17.6	18.3	20.9	23.2
Operating Temperature	-25 / +75								

Electrical Characteristics

Part Number	C4900	C4901	C4902	C4903	C4904	C4905	C4906	C4907	C4908
No of cores x 18AWG (7 x 26)	2	3	4	6	8	24	30	40	50
Max. DC Resistance Conductor	22.7								
Max. DC Resistance Screen	78.5								
Capacitance conductor to conductor	198	173	150	168	149	148	145	145	145
Capacitance conductor to the rest	379	336	300	344	312	310	300	300	300
Nominal Inductance	0.5								
Max. Recommended Current at 25°C	5	5	4	3.5	3.5	3.0	2.0	2.0	2.0
Max. Operating Voltage	300								

Reference Standards

(BS) EN 50290-2	IEC 60332-1
EN 60228	EN 60811-HD21.14
RoHS directives	