Audio Control & Instrumentation Cable
2C to 8C, 16AWG, Screen, SWA Armour
HFFR Sheath

C1911, C1913, C1915, C1917, C1919

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
Screen	Aluminium/Polyester tape
Drain Wire	Tinned Copper Wire
Bedding	Flame-Retardant Halogen Free (HFFR) Standard colour: Black
Armouring	Galvanized steel wire
Wrapping	Fabric tape
Sheath	UV Resistance Flame-Retardant Halogen Free (HFFR) 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	C1911	C1913	C1915	C1917	C1919
No of cores x 16AWG (19 x 29)	2	3	4	6	8
Nom. Diameter Conductor (mm)	1.4				
Nom. Radial Thickness Insulation (mm)	0.25				
Screen Coverage (%)	115				
Drain wire size (AWG)	24(7×32)				
Nom. Radial Thickness Bedding (mm)	0.8				
Nom. Bedding Diameter (mm)	5.5	5.8	6.3	7.4	8.0
Nom. Armour wire Diameter (mm)	0.9				
Nom. Armour coverage (%)	95				
Nom. Sheath thickness (mm)	1.25				
Nom. Overall Diameter (mm)	9.8	10.1	10.6	11.7	12.3
Operating Temperature	-25 / +75				

Electrical Characteristics

Part Number	C1911	C1913	C1915	C1917	C1919
No of cores x 16AWG (19 x 29)	2	3	4	6	8
Max. DC Resistance Conductor (Ω/km)	15.47				
Capacitance conductor to conductor (pF/m)	230	193	165	180	160
Capacitance conductor to the rest (pF/m)	440	377	330	369	337
Nominal Inductance	0.5				
Max. Recommended Current at 25°C	6.25	6.25	5	4.35	4.35
Max. Operating Voltage	300				

Reference Standards

(BS) EN 50290-2
EN 60228
IEC 60754-1 & 2
IEC 61034
IEC 60332-3-24
EN 60811-HD21.14
RoHS directives