

Audio Control & Instrumentation Cable

2C to 12C, 22AWG, Overall Screen, SWA Armour

HFFR Sheath

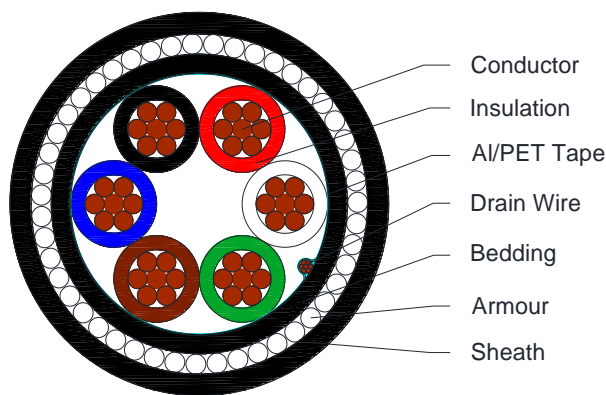


C1941, C1943, C1945, C1947, C1949, C1952

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 Core 9: Purple Core 10: Grey Core 11: Pink Core 12: Tan
Screen	Aluminium/Polyester tape
Drain Wire	Tinned Copper Wire
Bedding	Flame-Retardant Halogen Free (HFFR) Standard colour: Black
Armour	Galvanized Steel wire
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	C1941	C1943	C1945	C1947	C1949	C1952
No of cores x 22AWG (7 x 30)	2	3	4	6	8	12
Nom. Diameter Conductor (mm)	0.75					
Nom. Radial Thickness Insulation (mm)	0.25					
Screen Coverage (%)	115					
Drain wire size (AWG)	24(7×32)					
Nom. Radial Thickness Bedding (mm)	0.6					
Nom. Bedding Diameter (mm)	3.9	4.1	4.4	5.2	5.6	7.2
Nom. Armour wire Diameter (mm)	0.9					
Nom. Armour coverage (%)	95					
Nom. Sheath thickness (mm)	1.25					
Nom. Overall Diameter (mm)	8.2	8.4	8.7	9.5	9.9	11.5
Operating Temperature (°C)	-25 / +75					

Electrical Characteristics

Part Number	C1941	C1943	C1945	C1947	C1949	C1952
Max. DC Resistance Conductor (Ω /km)	57.4					
Max. DC Resistance Screen (Ω /km)	78.5					
Capacitance conductor to conductor (pF/m)	115	110	110	105	100	100
Capacitance conductor to rest (pF/m)	200	200	200	185	185	185
Nominal Inductance (μ H/m)	0.5					
Max. Recommended Current at 25°C (Amps)	2.8	2.8	2.25	1.95	1.95	1.95
Max. Operating Voltage (Vrms)	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