

# Audio Control & Instrumentation Cable

## 2C to 8C, 18AWG Overall Screen, SWA Armour

### HFFR Sheath

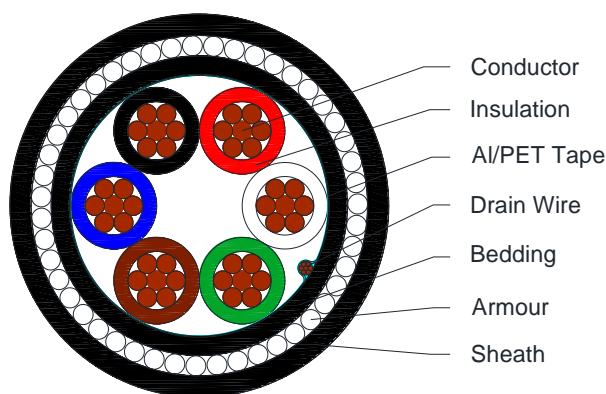


C1921, C1923, C1925, C1927, C1929

#### 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)
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	C1921	C1923	C1925	C1927	C1929
No of cores x 18AWG (7 x 26)	2	3	4	6	8
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				
Nom. Bedding Diameter (mm)	5.1	5.4	5.8	6.8	7.3
Nom. SWA wire Diameter (mm)	0.90				
Nom. Overall diameter (mm)	9.10	9.40	9.80	11.00	11.50
Operating Temperature	-25 / +75				

#### Electrical Characteristics

Part Number	C1921	C1923	C1925	C1927	C1929
Max. DC Resistance Conductor	22.7				
Max. DC Resistance Screen	78.5				
Capacitance conductor to conductor	150	150	150	140	135
Capacitance conductor to the rest	288	282	270	253	240
Nominal Inductance	0.5				
Max. Recommended Current at 25°C	5	5	4	3.5	3.5
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