

# Audio Control & Instrumentation Cable

## 2C to 8C, 22AWG, Unscreened, SWA Armour

### HFFR Sheath

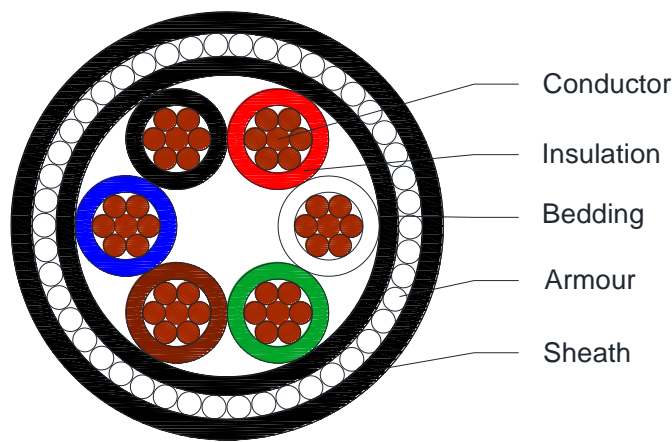


C1942, C1944, C1946, C1948, C1950

#### 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
Bedding	Flame-Retardant Halogen Free (HFFR) Standard colour: Black
Armouring	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	C1942	C1944	C1946	C1948	C1950
No of cores x 22AWG (7 x 30)	2	3	4	6	8
Nom. Diameter Conductor (mm)	0.75				
Nom. Radial Thickness Insulation (mm)	0.25				
Nom. Radial Thickness Bedding (mm)	0.7				
Nom. Bedding Diameter (mm)	3.9	4.1	4.4	5.2	5.6
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
Operating Temperature (°C)	-25 / +75				

#### Electrical Characteristics

Part Number	C1942	C1944	C1946	C1948	C1950
Max. DC Resistance Conductor ( $\Omega$ /km)	57.4				
Capacitance conductor to conductor (pF/m)	55	55	50	50	50
Nominal Inductance ( $\mu$ H/m)	0.5				
Max. Recommended Current at 25°C (Amps)	2.8	2.8	2.25	1.95	1.95
Max. Operating Voltage (Vrms)	300				

#### Reference Standards

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