

# Audio Control & Instrumentation Cable

## 1 pr 22 to 12AWG, Unscreened, SWA Armour, HFFR Sheath

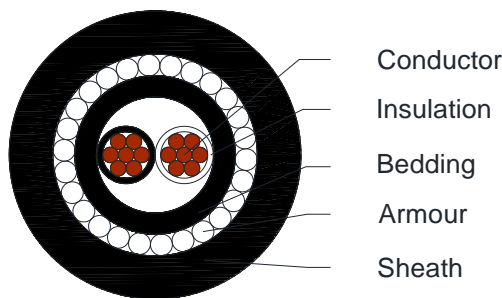


C2004, C2006, C2007, C2009, C2012, C2014

### Applications

Unscreened one pair cable with Armour suitable for Audio, Control, Instrumentation and Building Management Systems (BMS)

### Cross Section Drawing



### Design

Unit	Properties
Conductor	Tinned Copper Wires One twisted pair
Insulation	Polyolefin Core 1: Black Core 2: White
Bedding	Halogen Free Flame-Retardant (HFFR)
Armour	Galvanized Steel wire
Sheath	Uv Resistant Halogen Free Flame Retardant (HFFR) 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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C2004, C2006, C2007, C2009, C2012, C2014

### Physical Characteristics

Part Number	C2004	C2006	C2007	C2009	C2012	C2014
Number of pairs	1	1	1	1	1	1
Conductor size (AWG)	12	14	16	18	20	22
Conductor configuration (AWG)	19x25	19x27	19x29	7x26	7x28	7x30
Nom. Radial Thickness Insulation (mm)	0.8	0.8	0.8	0.5	0.4	0.4
Nom. Radial Thickness Bedding (mm)	0.9	0.9	0.8	0.8	0.8	0.6
Nom. Bedding Diameter (mm)	9.8	8.8	7.7	5.9	5.2	4.7
Nom. SWA wire Diameter (mm)	0.90					
Nom. Overall diameter (mm)	14.0	12.9	11.9	10.1	9.2	8.7
Operating Temperature (°C)	-25 / +75					

### Electrical Characteristics

Part Number	C2004	C2006	C2007	C2009	C2012	C2014
Max. DC Resistance Conductor (Ω/km)	5.61	9.36	15.47	22.7	35.75	57.4
Capacitance conductor to conductor (pF/m)	57	55	48	65	52	48
Nominal Inductance	0.6					
Max. Recommended Current at 25°C (μH/m)	13	9.5	7.1	5.2	3.9	2.9
Max. Operating Voltage (Amps)	600	600	300	300	300	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