

# Audio, Control & Instrumentation Cable

## 1 pr to 6pr, 18AWG Paired, Overall Screened, SWA Armoured, HFFR Sheath

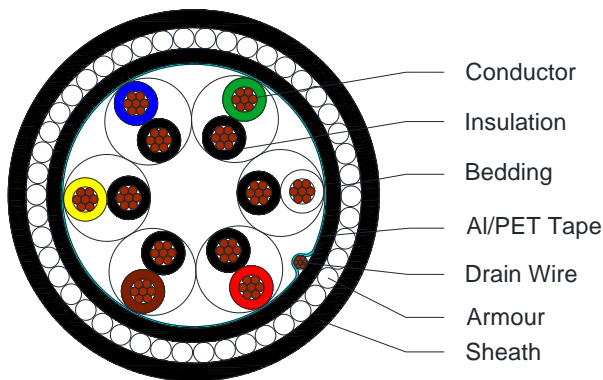


CI471, CI472, CI473, CI474, CI475, CI476

### Applications

Outdoor cables suitable for Security and Alarm systems, Audio, Control and Instrumentation

### Cross Section Drawing



### Design

Unit	Properties
Conductor	Flexible Bare Copper wires
Insulation	Polyolefin Pair 1: Black/Red    Pair 2: Black/White Pair 3: Black/Green    Pair 4: Black/Blue Pair 5: Black/Yellow    Pair 6: Black/Brown
Pair	two twisted wires
Cable Core	N pairs stranded
Overall Screen	Aluminium/Polyester foil tape
Drain Wire	Tinned Copper Wire
Bedding	Halogen-free Flame Retardant (HFFR) Standard colour: Black
Armour	Galvanized Steel Wire
Sheath Material	UV Resistant Halogen-free Flame Retardant (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.

**Audio, Control & Instrumentation Cable**  
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**SWA Armoured, HFFR Sheath**



**C1471, C1472, C1473, C1474, C1475, C1476**

**Physical Characteristics**

Part Number	C1471	C1472	C1473	C1474	C1475	C1476
No of pairs x 18AWG (7 x 26)	1	2	3	4	5	6
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	7.7	8.1	8.9	9.9	10.2
Nom. SWA wire Diameter (mm)	0.90					
Nom. Overall diameter (mm)	9.4	12.0	12.4	13.2	14.2	14.5
Operating Temperature	-25 / +75					

**Electrical Characteristics**

Part Number	C1471	C1472	C1473	C1474	C1475	C1476
Max. DC Resistance Conductor	22.7					
Max. DC Resistance Screen	78.5					
Capacitance conductor to conductor	115					
Capacitance conductor to the rest	200					
Max. Recommended Current at 25°C	4	4	3.5	3.5	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