

# Audio Control & Instrumentation Cable

1 pr 22to 12AWG, Unscreened,  
HFFR/LSZH Sheath

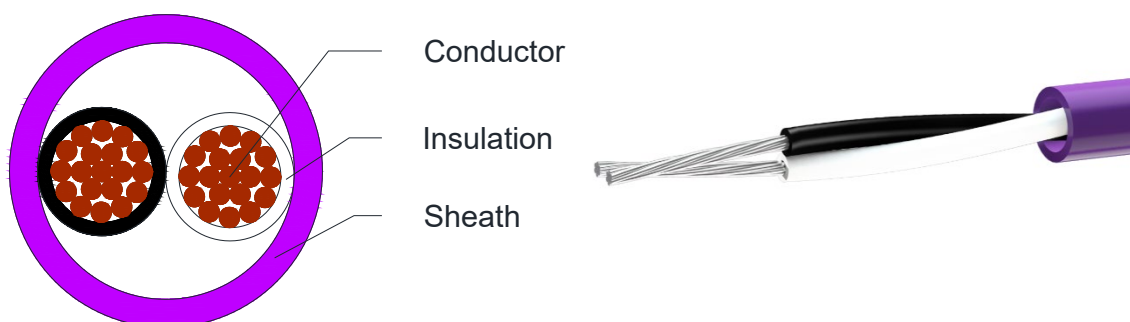


C1304, C1306, C1307, C1271, C1309, C1311

## Applications

One pair cable suitable for Audio, Control, Instrumentation and Building Management Systems (BMS)

## Cross Section Drawing



## Design

Unit	Properties
Conductor	Flexible Tinned Copper wire
Insulation	HFFR/LSZH Core 1: Black Core 2: White
Pair	Two wires twisted together as a pair
Sheath Material	Halogen-Free Flame-Retardant (HFFR/LSZH) Standard colour: Purple
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

1 pr 22to 12AWG, Unscreened,  
HFFR/LSZH Sheath



C1304, C1306, C1307, C1271, C1309, C1311

## Physical Characteristics

Part Number	C1304	C1306	C1307	C1271	C1309	C1311
Number of pairs	1					
Conductor size (AWG)	12	14	16	18	20	22
Conductor stranding (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 Sheath (mm)	0.9	0.9	0.8	0.8	0.8	0.8
Nom. Overall Diameter(mm)	9.8	8.7	7.7	5.9	5.2	4.7
Operating Temperature (°C)	-25 / +75					
Max. Recommended Pulling Tension (N)	665	420	270	200	110	80
Min. Bend Radius (install) (mm)	98	87	77	59	52	44
Cable Weight (kg/km)	128.2	95.3	71.8	45.9	34.7	24.7

## Electrical Characteristics

Part Number	C1304	C1306	C1307	C1271	C1309	C1311
Max. DC Resistance Conductor ( $\Omega$ /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
Max. Recommended Current at 25°C (Amps)	13	9.5	7.1	5.2	3.9	2.9
Max. Operating Voltage (Vrms)	600	600	600	300	300	300

## Reference Standards

(BS) EN 50290-2
IEC 60228
IEC 60332-3-24
IEC 60754-1&-2, IEC 61034
RoHS directives