

# Audio Control & Instrumentation Cable 2C to 8C, 12AWG, Unscreened, LSZH-HFFR Sheath

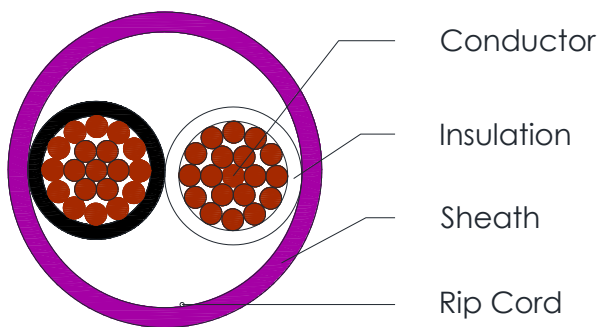


C5483, C5484, C5485, C5486, C5487, C5488

## Applications

Unscreened Multi-Conductor cable suitable for Audio, Control, Instrumentation and Building Management Systems (BMS)

## Cross Section Drawing



## Design

Unit	Properties
Conductor	N x Bare Copper wire, 12AWG flexible
Insulation	Polyolefin Core 1: Black Core 2: White Core 3: Red Core 4: Green Core 5: Brown Core 6: Blue Core 7: Orange Core 8: Yellow
Rip cord	Nylon yarn
Sheath Material	Halogen Free Flame-Retardant (LSZH-HFFR) 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

## 2C to 8C, 12AWG, Unscreened, LSZH-HFFR Sheath



**C5483, C5484, C5485, C5486, C5487, C5488**

### Physical Characteristics

B3 Part Number	C5483	C5484	C5485	C5486	C5487	C5488
No of cores x 12AWG (19 x 25)	2	3	4	5	6	8
Nom. Diameter Conductor	2.3					
Nom. Radial Thickness Insulation (mm)	0.3					
Nom. Radial Thickness Sheath (mm)	0.80					
Nom. Overall Diameter (mm)	7.4	7.9	8.7	9.5	10.3	11.2
Operating Temperature (°C)	-25 / +75					
Max. Recommended Pulling Tension (N)	675	1015	1350	1690	2025	2700
Min. Bend Radius (install) (mm)	74	79	87	95	103	112
Nominal Cable Weight (kg/km)	87.2	120	154	186.3	220.1	285.1

### Electrical Characteristics

B3 Part Number	C5483	C5484	C5485	C5486	C5487	C5488
No of cores x 12AWG (19 x 25)	2	3	4	5	6	8
Max. DC Resistance Conductor ( $\Omega$ /km)	5.61					
Capacitance conductor to conductor (pF/m)	60					
Nominal Inductance ( $\mu$ H/m)	0.5					
Max. Recommended Current at 25°C (Amps)	12	12	9.6	8.4	8.4	8.4
Max. Operating Voltage (Vrms)	300					

### Reference Standards

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