

# Audio Control & Instrumentation Cable

1 pr 20AWG, Unscreened,  
HFFR/LSZH Sheath

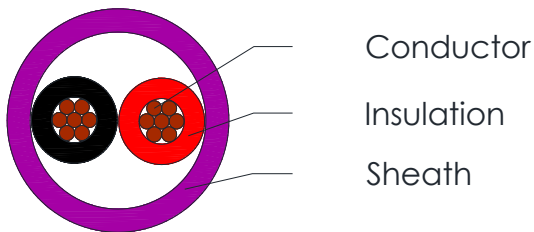


C5103

## 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: Red
Pair	Two wires twisted together
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.

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**C5103**

## Physical Characteristics

Part Number	C5103
Number of pairs	1
Conductor size (AWG)	20
Conductor stranding (AWG)	7x28
Nom. Radial Thickness Insulation (mm)	0.8
Nom. Radial Thickness Sheath (mm)	0.8
Nom. Overall Diameter (mm)	6.8
Operating Temperature (°C)	-25 to 75
Max. Recommended Pulling Tension (N)	150
Min. Bend Radius (install) (mm)	68
Cable Weight (kg/km)	41.7

## Electrical Characteristics

Part Number	C5103
Max. DC Resistance Conductor ( $\Omega$ /km)	35.75
Capacitance conductor to conductor (pF/m)	50
Max. Recommended Current at 25°C (Amps)	3.9
Max. Operating Voltage $U_0/U$ (Vrms)	400/750

## Reference Standards

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