

# Audio Control & Instrumentation Cable, 5C, 22AWG, PUR Sheath

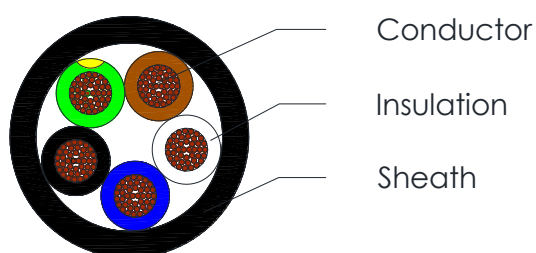


C6009

## Applications

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

## Cross Section Drawing



## Design

Unit	Properties
Conductor	Flexible Bare Copper wire
Insulation	Polypropylene Brown, White, Blue, Black, Green/Yellow
Cabling	Cores twisted together
Sheath	Oil and Sunlight Resistant PUR (Halogen Free, Flame Retardant) Standard Color: Black RAL 7021
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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**C6009**

## Physical Characteristics

Part Number	C6009
No of Cores	5
Conductor Cross section(mm <sup>2</sup> )	0.34
Conductor Gauge (AWG)	22
Nom. Conductor Construction (mm)	42×0.10
Nom. Radical thickness of insulation (mm)	0.25
Nom. Insulation Diameter (mm)	1.27
Nom. Overall Diameter(mm)	4.55
Ambient Operation Temperature (fixed installation) (°C)	-40 to +80
Ambient Operation Temperature (flexible installation) (°C)	-25 to +80
Min. Bend Radius (install)(mm)	50
Nominal Cable Weight (kg/km)	33

## Electrical Characteristics at 20°C

Part Number	C6009
No of Cores	5
Max. DC Resistance Conductor ( $\Omega$ /km)	58
Min. Insulation Resistance ( $G\Omega \cdot km$ )	16
Test Voltage (Vrms)	3000
Max. Operating Voltage (Vrms)	300

## Reference Standards

UL758/1581 FT2	DIN VDE 0472 Part 815
DIN EN 60332-2-2 (20s)	DIN EN 60811-2-1
DIN EN ISO 4892-2-A	RoHS directives