

# Audio Control & Instrumentation Cable

1 PR 18AWG, Overall Screen, PVC

Plenium Rated Sheath

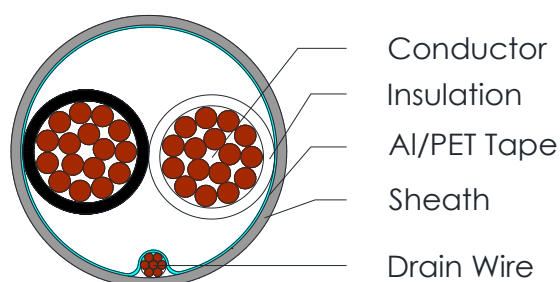


C8812

## Applications

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

## Cross Section Drawing



## Design

Unit	Properties
Conductor	Tinned Copper Wires
Insulation	Flame-Retardant Polyvinyl Chloride (PVC) Core 1: Black Core 2: Clear
Pair	Two wires twisted together
Screen	Aluminium/Polyester 100% Coverage
Drain wire	20 AWG (7 x 28) Tinned Copper wire
Sheath Material	Flame-Retardant Polyvinyl Chloride (PVC) CMP Rated Standard colour: Grey
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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**C8812**

## Physical Characteristics

Part Number	C8812
Number of pairs	1
Conductor size (AWG)	18
Conductor stranding (AWG)	16x30
Nom. Radial Thickness Insulation (mm)	0.46
Nom. Insulation diameter (mm)	2.16
Nom. Radial Thickness Sheath (mm)	0.7
Nom. Overall Diameter (mm)	5.64
Operating Temperature (°C)	-20 / +60
Max. Recommended Pulling Tension (N)	240
Min. Bend Radius (install) (mm)	56
Nominal Cable Weight (kg/km)	37

## Electrical Characteristics

Part Number	C8812
Conductor AWG size (AWG)	18
Max. DC Resistance Conductor ( $\Omega$ /km)	21.7
Capacitance conductor to conductor (pF/m)	89
Max. Recommended Current at 25°C (Amps)	7.2
Max. Operating Voltage (Vrms)	300

## Reference Standards

(BS) EN 50290-2
IEC 60228
CMP Rated
RoHS directives