

# Audio Control & Instrumentation Cable

1 PR 18AWG, Overall Screen, PVC or PVC

## Plenium Rated Sheath

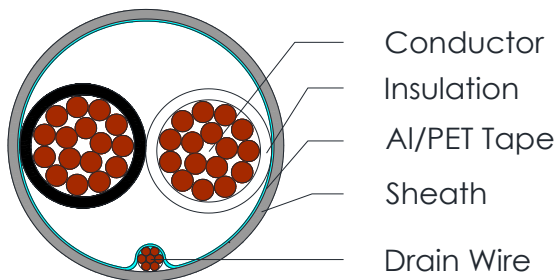


C4843, C8812, C8813

### Applications

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

### Cross Section Drawing



### Design

Unit	Properties
Conductor	Bare Copper Wires
Insulation	Flame-Retardant Polyvinyl Chloride (PVC) or FEP Core 1: Black Core 2: White
Pair	Two wires twisted together
Screen	Aluminium/Polyester 100% Coverage
Drain wire	20 AWG (7 x 28) Tinned Copper wire
Sheath Material	PVC or 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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### Physical Characteristics

Part Number	C8812	C4843	C8813
Insulation material	PVC	FEP	FEP
Number of pairs	1		
Conductor size (AWG)	18		
Conductor stranding (AWG)	16x30		
Nom. Radial Thickness Insulation (mm)	0.46	0.18	0.18
Nom. Insulation diameter (mm)	2.16	1.60	1.60
Nom. Radial Thickness Sheath (mm)	0.7	0.7	0.7
Nom. Overall Diameter (mm)	5.64	4.70	4.70
Sheath Material	PVC CMP	PVC	PVC CMP
Operating Temperature (°C)	-20 / +60		
Max. Recommended Pulling Tension (N)	240	200	200
Min. Bend Radius (install) (mm)	56	47	47

### Electrical Characteristics

Part Number	C8812	C4843	C8813
Conductor AWG size (AWG)	18		
Max. DC Resistance Conductor ( $\Omega$ /km)	21.7		
Capacitance conductor to conductor (pF/m)	89	180	180
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