

# Audio Control & Instrumentation Cable, 1 PR, 18AWG, Overall Screen & PVC Sheath

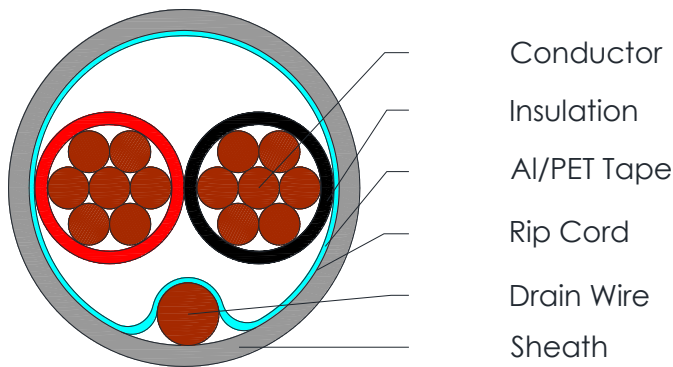


C4283

## Applications

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

## Cross Section Drawing



## Design

Unit	Properties
Conductor	Bare Copper wire, 18AWG flexible
Insulation	Polyolefin Pair 1: Black & Red
Pair	Two cores twisted as a pair
Screen	Aluminium/Polyester 100% Coverage
Drain wire	Tinned Copper
Rip cord	Nylon yarn
Sheath	Flame-Retardant Polyvinyl Chloride (PVC) 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	C4283
No of pairs x 18AWG (7 x 26)	1
Conductor Construction(AWG)	1.10
Nom. Radial Thickness Insulation(mm)	0.20
Nom. Drain Wire Diameter (mm)	0.40
Nom. Radial Thickness Sheath(mm)	0.40
Nom. Overall Diameter(mm)	3.9
Operating Temperature (°C)	-25 to +75
Max. Recommended Pulling Tension (N)	200
Min. Bend Radius (install)(mm)	40
Nominal Cable Weight (kg/km)	29.6

## Electrical Characteristics at 20°C

Part Number	C4283
No of pair	1
Max. DC Resistance Conductor ( $\Omega$ /km)	22.7
Capacitance conductor to conductor (pF/m)	95
Capacitance cond. To other cond.+screen (pF/m)	175
Nominal Inductance ( $\mu$ H/m)	0.5
Max. Recommended Current at 25°C (Amps)	5
Max. Operating Voltage (Vrms)	300

## Reference Standards

(BS) EN 50290-2
IEC 60228
IEC 60332-1
RoHS directives