

# Audio Control & Instrumentation Cable, 2 to 4C, 10AWG Unscreened, PVC Sheath

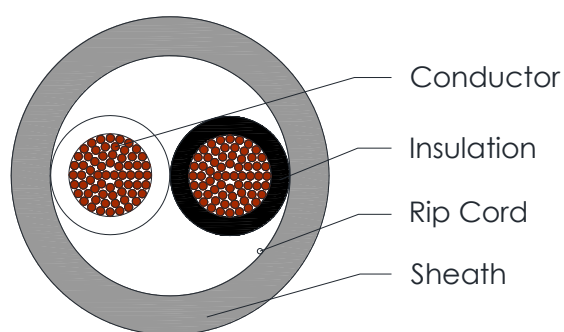


C4457, C4564

## Applications

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

## Cross Section Drawing



## Design

Unit	Properties
Conductor	Bare Copper wire, 10AWG flexible
Insulation	Polyolefin Black, White, Red, Green
Cabling	Cores twisted together
Sheath Material	Flame-Retardant Polyvinyl Chloride (PVC) Standard colour: Grey
Rip Cord	Nylon Yarn
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.

# Audio Control & Instrumentation Cable, 2 to 4C, 10AWG Unscreened, PVC Sheath



**C4457, C4564**

## Physical Characteristics

Part Number	C4457	C4564
No of Cores	2	4
Nom. Conductor Configuration (AWG)	65 × 28	65 × 28
Nom. Conductor Diameter (mm)	2.84	2.84
Nom. Radial Thickness Insulation (mm)	0.51	0.51
Nom. Insulation Diameter (mm)	4.00	4.00
Nom. Radial Thickness Sheath (mm)	0.65	0.65
Nom. Overall Diameter (mm)	9.3	11.0
Operating Temperature (°C)	-25 / +75	-25 / +75
Max. Recommended Pulling Tension (N)	900	1450
Min. Bend Radius (install) (mm)	93	110
Nominal Cable Weight (kg/km)	127	236

## Electrical Characteristics

Part Number	C4457	C4564
Nom. DC Resistance Conductor ( $\Omega$ /km)	3.38	3.38
Capacitance conductor to conductor (pF/m)	85	85
Nominal Inductance ( $\mu$ H/m)	0.49	0.49
Max. Recommended Current at 25°C (Amps)	18	18
Max. Operating Voltage (Vrms)	300	300

## Reference Standards

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