

# Audio Control & Instrumentation Cable, 22AWG, Overall Screened & PVC Sheath

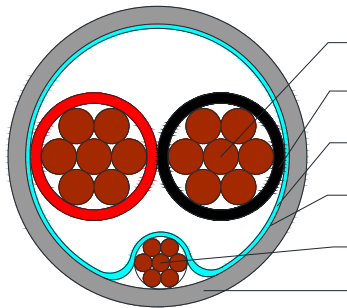


CI4014, CI4015

## Applications

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

## Cross Section Drawing



- Conductor
- Insulation
- Al/PET Tape
- Rip Cord
- Drain Wire
- Sheath



## Design

Unit	Properties
Conductor	N x Bare Copper wire, 22AWG flexible
Insulation	Polyolefin Core 1: Black Core 2: Red Core 3: White
Cabling	Cores cabled/twisted together
Drain wire	Tinned Copper
Screen	Aluminium/Polyester 100% Coverage
Rip cord	Nylon yarn
Sheath Material	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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## C14014, C14015

### Physical Characteristics

Part Number	C14014	C14015
No of cores x 22AWG (7 x 30)	2	3
Nom. Diameter Conductor (mm)	0.71	
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)	3.2	3.4
Operating Temperature (°C)	-25 / +75	
Max. Recommended Pulling Tension (N)	80	121
Min. Bend Radius (install) (mm)	32	34
Nominal Cable Weight (kg/km)	15.2	19.5

### Electrical Characteristics

Part Number	C14014	C14015
No of cores x 22AWG (7 x 30)	2	3
Max. DC Resistance Conductor ( $\Omega$ /km)	57.4	
Max. DC Resistance Screen ( $\Omega$ /km)	78.5	
Capacitance conductor to conductor (pF/m)	78	75
Capacitance cond. To other cond.+screen (pF/m)	150	140
Nominal Inductance ( $\mu$ H/m)	0.5	
Max. Recommended Current at 25°C (Amps)	2.8	2.8
Max. Operating Voltage (Vrms)	300	

### Reference Standards

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