

# Audio Control & Instrumentation Cable, 2C to 8C, 14AWG, Overall Screen & PE Sheath

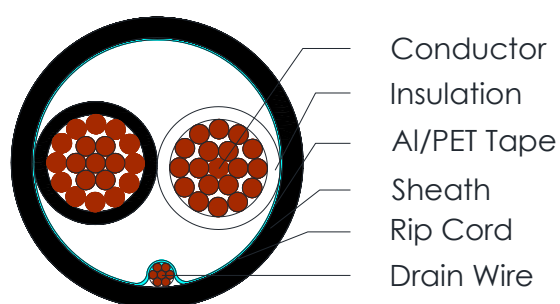


C1800, C1802, C1804, C1902, C1834, C1836

## Applications

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

## Cross Section Drawing



## Design

Unit	Properties
Conductor	N x Bare Copper wire, 14AWG flexible
Insulation	Polyolefin Core 1: Black Core 2: White Core 3: Red Core 4: Green Core 5: Brown Core 6: Blue Core 7: Orange Core 8: Yellow
Drain wire	24 AWG (7 x 32) Tinned Copper
Screen	Aluminium/Polyester 100% Coverage
Rip cord	Nylon yarn
Sheath	PE Standard colour: Black
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, 2C to 8C, 14AWG, Overall Screen & PE Sheath



**C1800, C1802, C1804, C1902, C1834, C1836**

## Physical Characteristics

Part Number	C1800	C1802	C1804	C1902	C1834	C1836
No of cores x 14AWG (19X27)	2	3	4	5	6	8
Nom. Diameter Conductor(mm)	1.8					
Nom. Radial Thickness Insulation(mm)	0.3					
Nom. Radial Thickness Sheath(mm)	0.6					
Nom. Overall Diameter(mm)	6.4	6.9	7.3	8.2	9.0	10.2
Operating Temperature (°C)	-25 to +75					
Max. Recommended Pulling Tension (N)	420	635	845	1055	1265	1685
Min. Bend Radius (install)(mm)	64	69	73	82	90	102
Nominal Cable Weight (kg/km)	52	74	96	120	144	185

## Electrical Characteristics at 20°C

Part Number	C1800	C1802	C1804	C1902	C1834	C1836
No of cores x 14AWG (19X27)	2	3	4	5	6	8
Max. DC Resistance Conductor (Ω/km)	9.36					
Max. DC Resistance Screen (Ω/km)	78.5					
Capacitance conductor to conductor (pF/m)	105	100	98	97	96	95
Capacitance cond. To other cond.+screen (pF/m)	190	190	178	176	175	170
Nominal Inductance (μH/m)	0.5					
Max. Recommended Current at 25°C (Amps)	8	8	6.4	6.4	5.6	5.6
Max. Operating Voltage (Vrms)	300					

## Reference Standards

(BS) EN 50290-2
IEC 60228
RoHS directives