

# Audio Control & Instrumentation Cable, 2C to 8C, 18AWG Unscreened & PVC Sheath

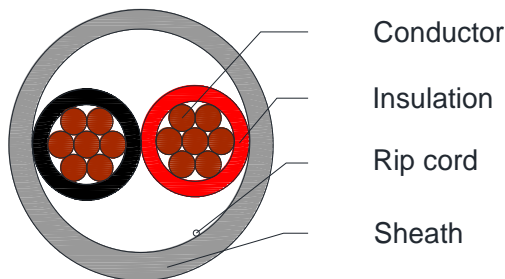


C1014, C1016, C1018, C1054, C1212, C1259

## 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, 18AWG flexible
Insulation	Polyolefin Core 1: Black Core 2: Red Core 3: White Core 4: Green Core 5: Brown Core 6: Blue Core 7: Orange Core 8: Yellow
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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**C1014, C1016, C1018, C1054, C1212, C1259**

## Physical Characteristics

Part Number	C1014	C1016	C1018	C1054	C1212	C1259
No of cores x 18AWG (7 x 26)	2	3	4	5	6	8
Nom. Diameter Conductor(mm)	1.2					
Nom. Radial Thickness Insulation(mm)	0.2					
Nom. Radial Thickness Sheath(mm)	0.4					
Nom. Overall Diameter(mm)	3.9	4.1	4.55	5.2	5.7	5.9
Operating Temperature (°C)	-25 to +75					
Max. Recommended Pulling Tension (N)	200	299	399	500	600	797
Min. Bend Radius (install)(mm)	40	42	46	55	58	60
Nominal Cable Weight (kg/km)	27.3	36.9	47.2	58	68.2	87

## Electrical Characteristics at 20°C

Part Number	C1014	C1016	C1018	C1054	C1212	C1259
No of cores x 18AWG (7 x 26)	2	3	4	5	6	8
Max. DC Resistance Conductor ( $\Omega$ /km)	22.7					
Capacitance conductor to conductor (pF/m)	52	55	45	50	50	50
Nominal Inductance ( $\mu$ H/m)	0.5					
Max. Recommended Current at 25°C (Amps)	5	5	4	4	3.5	3.5
Max. Operating Voltage (Vrms)	300					

## Reference Standards

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