

# Audio Control & Instrumentation Cable, 2C to 8C, 20AWG, Unscreened & PE Sheath

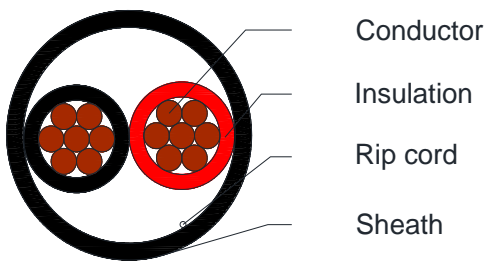


C1819, C1821, C1823, C1863, C1845, C1847

## 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, 20AWG 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	Low Density Polyethylene (LDPE) 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.

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**C1819, C1821, C1823, C1863, C1845, C1847**

## Physical Characteristics

Part Number	C1819	C1821	C1823	C1863	C1845	C1847
No of cores x 20AWG (7 x 28)	2	3	4	5	6	8
Nom. Diameter Conductor(mm)	1.0					
Nom. Radial Thickness Insulation(mm)	0.2					
Nom. Radial Thickness Sheath(mm)	0.6					
Nom. Overall Diameter(mm)	3.9	4.1	4.5	4.9	5.3	5.7
Operating Temperature (°C)	-25 to +75					
Max. Recommended Pulling Tension (N)	112	168	224	280	336	448
Min. Bend Radius (install)(mm)	39	41	45	49	53	57
Nominal Cable Weight (kg/km)	17.2	23.3	29.6	35.9	42.3	54.4

## Electrical Characteristics at 20°C

Part Number	C1819	C1821	C1823	C1863	C1845	C1847
No of cores x 20AWG (7 x 28)	2	3	4	5	6	8
Max. DC Resistance Conductor ( $\Omega$ /km)	35.75					
Capacitance conductor to conductor (pF/m)	46	47	47	45	45	45
Nominal Inductance ( $\mu$ H/m)	0.5					
Max. Recommended Current at 25°C (Amps)	3.75	3.75	3	2.6	2.6	2.6
Max. Operating Voltage (Vrms)	300					

## Reference Standards

(BS) EN 50290-2
IEC 60228
RoHS directives