

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

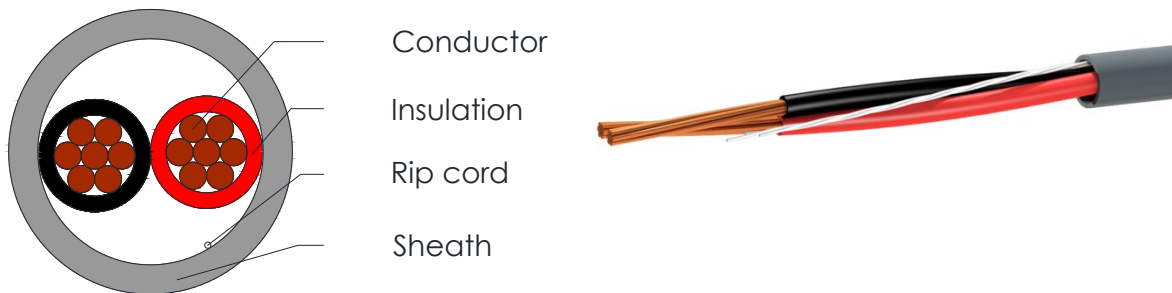


**C4084, C4085, C4086, C4087, C4088**

## Applications

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	LSF 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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## C4084, C4085, C4086, C4087, C4088

### Physical Characteristics

Part Number	C4084	C4085	C4086	C4087	C4088
No of cores x 20AWG (7 x 28)	2	3	4	6	8
Nom. Diameter Conductor(mm)	1.0				
Nom. Radial Thickness Insulation(mm)	0.2				
Nom. Radial Thickness Sheath(mm)	0.4				
Nom. Overall Diameter(mm)	3.4	3.6	4.0	4.9	5.3
Operating Temperature (°C)	-25 to +75				
Max. Recommended Pulling Tension (N)	112	168	224	336	448
Min. Bend Radius (install)(mm)	34	36	40	49	53
Nominal Cable Weight (kg/km)	19.7	26.2	33.1	47.9	60.6

### Electrical Characteristics at 20°C

Part Number	C4084	C4085	C4086	C4087	C4088
No of cores x 20AWG (7 x 28)	2	3	4	6	8
Max. DC Resistance Conductor ( $\Omega$ /km)	35.75				
Capacitance conductor to conductor (pF/m)	46	47	47	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
Max. Operating Voltage (Vrms)	300				

### Reference Standards

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