

# Audio Control & Instrumentation Cable, 2C to 12C, 18AWG Unscreened & LSF Sheath

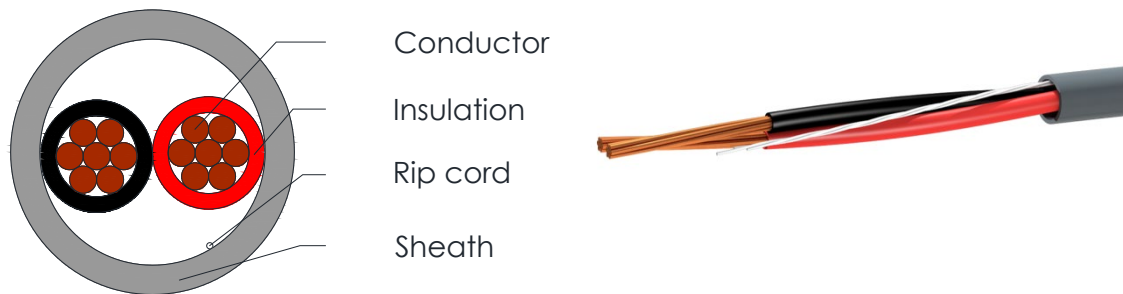


**C4028, C4029, C4030, C4031, C4032, C4033, C4034, C4035**

## Applications

Unscreened 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 Core 9: Purple Core 10: Grey Core 11: Pink Core 12: Tan
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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**C4028, C4029, C4030, C4031, C4032, C4033, C4034, C4035**

## Physical Characteristics

Part Number	C4028	C4029	C4030	C4031	C4032	C4033	C4034	C4035
No of cores x 18AWG (7 x 26)	2	3	4	5	6	7	8	12
Nom. Diameter Conductor(mm)	1.2							
Nom. Radial Thickness Insulation(mm)	0.2							
Nom. Radial Thickness Sheath(mm)	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.6
Nom. Overall Diameter(mm)	3.9	4.1	4.55	5.2	5.7	5.8	5.9	8.0
Operating Temperature (°C)	-25 to +75							
Max. Recommended Pulling Tension (N)	200	299	399	500	600	700	797	1195
Min. Bend Radius (install)(mm)	40	42	46	55	58	58	60	80
Nominal Cable Weight (kg/km)	27.3	36.9	47.2	58	68.2	77.6	87	126

## Electrical Characteristics at 20°C

Part Number	C4028	C4029	C4030	C4031	C4032	C4033	C4034	C4035
No of cores x 18AWG (7 x 26)	2	3	4	5	6	7	8	12
Max. DC Resistance Conductor ( $\Omega$ /km)	22.7							
Capacitance conductor to conductor (pF/m)	52	55	45	50	50	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	3.5	3.5
Max. Operating Voltage (Vrms)	300							

## Reference Standards

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