

Audio Control & Instrumentation Cable, 2C to 8C, 16AWG, Unscreened & LSF Sheath



C4023, C4024, C4025, C4026, C4027

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, 16AWG 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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Physical Characteristics

Part Number	C4023	C4024	C4025	C4026	C4027
No of cores x 16AWG (19 x 29)	2	3	4	6	8
Nom. Diameter Conductor(mm)	1.4				
Nom. Radial Thickness Insulation(mm)	0.2				
Nom. Radial Thickness Sheath(mm)	0.4				
Nom. Overall Diameter(mm)	4.5	4.75	5.25	6.7	7.5
Operating Temperature (°C)	-25 to +75				
Max. Recommended Pulling Tension (N)	262	391	520	780	1040
Min. Bend Radius (install)(mm)	46	49	53	68	76
Nominal Cable Weight (kg/km)	35	47.7	61.1	89	118.1

Electrical Characteristics at 20°C

Part Number	C4023	C4024	C4025	C4026	C4027
No of cores x 16AWG (19 x 29)	2	3	4	6	8
Max. DC Resistance Conductor (Ω /km)	15.47				
Capacitance conductor to conductor (pF/m)	53	56	55	48	45
Nominal Inductance (μ H/m)	0.5				
Max. Recommended Current at 25°C (Amps)	6.25	6.25	5.00	4.35	4.35
Max. Operating Voltage (Vrms)	300				

Reference Standards

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