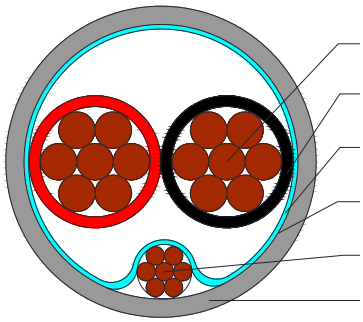
Audio Control & Instrumentation Cable, 2C to 8C, 18AWG, Overall Screen & LSF Sheath

C4016, C4017, C4018, C4019, C4020, C4021, C4022

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
Drain wire	24 AWG (7 x 32) Tinned Copper
Screen	Aluminium/Polyester 100% Coverage
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	C4016	C4017	C4018	C4019	C4020	C4021	C4022
No of cores x 18AWG (7 x 26)	2	3	4	5	6	7	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)	4.0	4.2	4.6	5.5	5.75	5.9	6.4
Operating Temperature (°C)	-25 to +75						
Max. Recommended Pulling Tension (N)	200	299	399	500	600	620	797
Min. Bend Radius (install)(mm)	40	42	46	55	58	59	64
Nominal Cable Weight (kg/km)	29.6	39.2	49.4	60.2	70.9	79	89.5

Electrical Characteristics at 20°C

Part Number	C4016	C4017	C4018	C4019	C4020	C4021	C4022
No of cores x 18AWG (7 x 26)	2	3	4	5	6	7	8
Max. DC Resistance Conductor (Ω/km)	22.7						
Max. DC Resistance Screen (Ω/km)	78.5						
Capacitance conductor to conductor (pF/m)	95	90	75	75	75	75	75
Capacitance cond. To other cond.+screen (pF/m)	175	170	160	145	140	140	140
Nominal Inductance (µH/m)	0.5						
Max. Recommended Current at 25°C (Amps)	5	5	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