

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

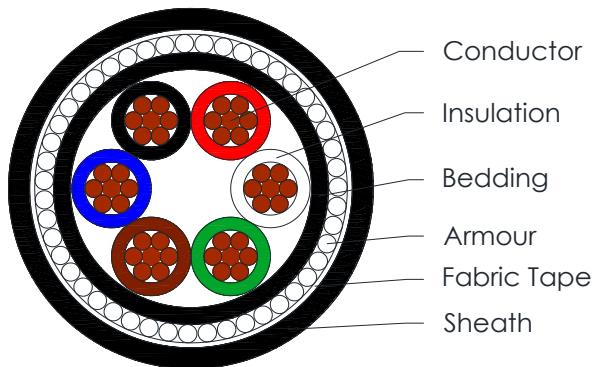


C4227, C4228, C4229, C4230, C4231, C4232, C4233, C4234

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
Bedding	LSF Standard colour: Black
Armour	Galvanized Steel Wire
Wrapping Tape (optional)	Fabric Tape
Sheath	LSF 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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Physical Characteristics

Part Number	C4227	C4228	C4229	C4230	C4231	C4232	C4233	C4234
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. Bedding Diameter(mm)	3.9	4.1	4.55	5.2	5.7	5.8	6.3	8.0
Nom. Steel Wire (mm)	0.90							
Nom. Radial Thickness Sheath(mm)	0.80							
Nom. Overall Diameter(mm)	7.3	7.5	7.9	8.8	9.0	9.2	9.7	11.4
Operating Temperature (°C)	-25 to +75							
Min. Bend Radius (install)(mm)	131	135	142	158	162	166	175	205
Nominal Cable Weight (kg/km)	134	152	170	203	219	227	256	384

Electrical Characteristics at 20°C

Part Number	C4227	C4228	C4229	C4230	C4231	C4232	C4233	C4234
No of cores x 18AWG (7 x 26)	2	3	4	5	6	7	8	12
Max. DC Resistance Conductor (Ω /km)	22.7							
Capacitance conductor to conductor (pF/m)	52	55	45	50	50	50	50	50
Nominal Inductance (μ 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