

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

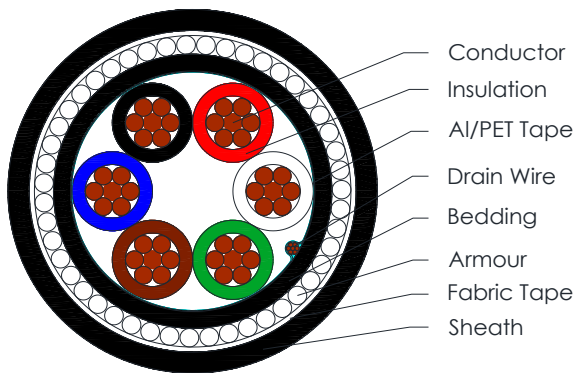


C4211, C4212, C4213, C4214, C4215, C4216, C4217

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
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	C4211	C4212	C4213	C4214	C4215	C4216	C4217
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 Bedding(mm)	0.40						
Nom. Bedding Diameter(mm)	4.0	4.2	4.6	5.5	5.75	5.9	6.4
Nom. Steel Wire (mm)	0.90						
Nom. Radial Thickness Sheath(mm)	0.80						
Nom. Overall Diameter(mm)	7.4	7.6	8.0	8.9	9.15	9.3	9.8
Operating Temperature (°C)	-25 to +75						
Min. Bend Radius (install)(mm)	133	137	144	160	165	167	176
Nominal Cable Weight (kg/km)	136	154	172	206	222	240	259

Electrical Characteristics at 20°C

Part Number	C4211	C4212	C4213	C4214	C4215	C4216	C4217
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 (μ H/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