

Audio Control & Instrumentation Cable, 2C to 8C, 20AWG Overall Screen & LSF Sheath

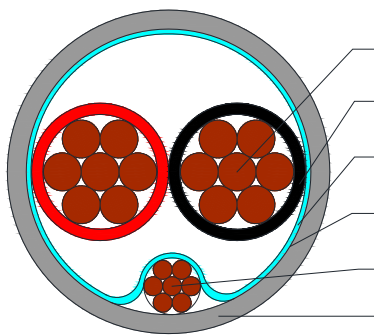


C4115, C4116, C4117, C4118, C4119

Applications

Screened Multi-Conductor cable suitable for Audio, Control, Instrumentation and Building Management Systems (BMS)

Cross Section Drawing



Conductor
Insulation
Al/PET Tape
Rip Cord
Drain Wire
Sheath



Design

Unit	Properties
Conductor	N x Bare Copper wire, 20AWG 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	C4115	C4116	C4117	C4118	C4119
No of cores x 20AWG (7 x 28)	2	3	4	6	8
Nom. Diameter Conductor(mm)	1.0				
Nom. Radial Thickness Insulation(mm)	0.2				
Nom. Radial Thickness Sheath(mm)	0.4				
Nom. Overall Diameter(mm)	3.5	3.7	4.1	5.0	5.4
Operating Temperature (°C)	-25 to +75				
Max. Recommended Pulling Tension (N)	112	168	224	336	448
Min. Bend Radius (install)(mm)	35	37	41	50	54
Nominal Cable Weight (kg/km)	22	28.5	35.4	49.9	62.9

Electrical Characteristics at 20°C

Part Number	C4115	C4116	C4117	C4118	C4119
No of cores x 20AWG (7 x 28)	2	3	4	6	8
Max. DC Resistance Conductor (Ω /km)	35.75				
Max. DC Resistance Screen (Ω /km)	78.5				
Capacitance conductor to conductor (pF/m)	100	90	90	90	75
Capacitance cond. To other cond.+screen (pF/m)	190	160	160	160	160
Nominal Inductance (μ H/m)	0.5				
Max. Recommended Current at 25°C (Amps)	5	5	5	3.5	3.5
Max. Operating Voltage (Vrms)	300				

Reference Standards

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