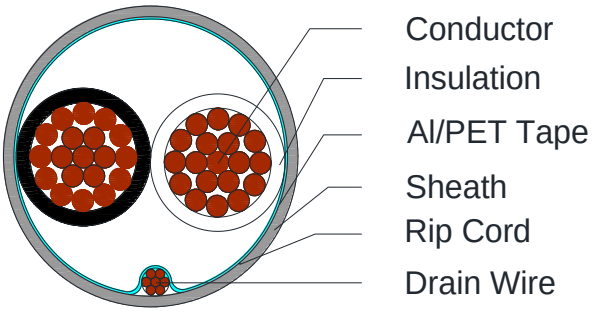
Audio Control & Instrumentation Cable, 2C to 8C, 12AWG, Overall Screen, PVC Sheath

C1322, C1324, C1326, C1328, C1330, C1332

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, 12AWG flexible
Insulation	Polyolefin Core 1: Black Core 2: White Core 3: Red Core 4: Green Core 5: Brown Core 6: Blue Core 7: Orange Core 8: Yellow
Drain Wire	20 AWG (7 x 28) Tinned Copper
Screen	Aluminium/Polyester 100% Coverage
Rip cord	Nylon yarn
Sheath Material	Flame-Retardant Polyvinyl Chloride (PVC) 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

B3 Part Number	C1322	1324	C1326	1328	C1330	C1332
No of cores x 12AWG (19 x 25)	2	3	4	5	6	8
Nom. Diameter Conductor	2.3					
Nom. Radial Thickness Insulation (mm)	0.3					
Nom. Radial Thickness Sheath (mm)	0.45					
Nom. Overall Diameter (mm)	6.9	7.4	8.2	9.0	9.8	10.7
Operating Temperature (℃)	-25 / +75					
Max. Recommended Pulling Tension（N）	675	1015	1350	1690	2025	2700
Min. Bend Radius (install) （mm）	69	74	82	90	98	107
Nominal Cable Weight (kg/km)	85.7	118.1	151.1	182.5	215.5	279.5

Electrical Characteristics

B3 Part Number	C1322	C1324	C1326	C1328	C1330	C1332
No of cores x 12AWG (19 x 25)	2	3	4	5	6	8
Max. DC Resistance Conductor (Ω/km)	5.61					
Max. DC Resistance Screen (Ω)	78.5					
Capacitance conductor to conductor (pF/m)	105	105	100	100	100	100
Capacitance conductor to other conductors+screen (pF/m)	220	220	180	180	180	175
Nominal Inductance (μH/m)	0.5					
Max. Recommended Current at 25°C (Amps)	12	12	9.6	8.4	8.4	8.4
Max. Operating Voltage (Vrms)	300					

Reference Standards

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