

Audio Control & Instrumentation Cable, 2C to 8C, 12AWG Overall Screen, HFFR/LSZH Sheath

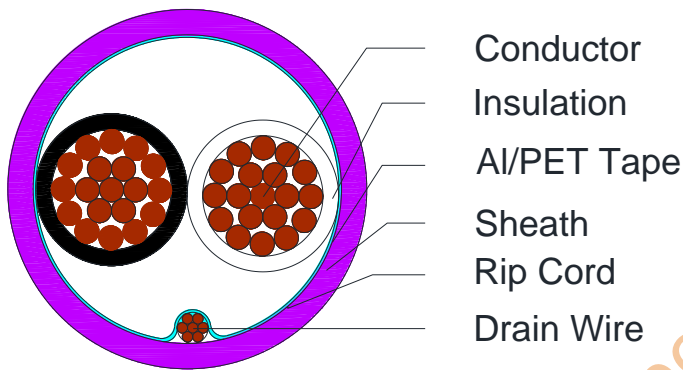


C1334, C1336, C1338, C1340, C1342, C1344

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	HFFR 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	Tinned Copper wire
Screen	Aluminium/Polyester 100% Coverage
Sheath Material	Flame-Retardant Halogen Free (HFFR/LSZH) Standard colour: Purple
Rip cord	Nylon yarn
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.

**Audio Control & Instrumentation Cable,
2C to 8C, 12AWG Overall Screen,
HFFR/LSZH Sheath**



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Physical Characteristics

Part Number	C1334	C1336	C1338	C1340	C1342	C1344
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)	0.65					
Nom. Drain wire Diameter(mm)	7*0.32					
Nom. Overall Diameter (mm)	7.4	7.8	8.6	9.4	10.3	11.3
Operating Temperature range (°C)	-25 / +75					
Max. Recommended Pulling Tension (N)	675	1015	1350	1690	2025	2700
Min. Bend Radius (install) (mm)	74	78	86	94	103	113
Nominal Cable Weight (kg/km)	97.4	130.0	165.3	200.8	236.7	307.3

Electrical Characteristics

Part Number	C1334	C1336	C1338	C1340	C1342	C1344
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/km)	78.5					
Capacitance conductor to conductor (Pf/m)	190	190	190	185	180	176
Capacitance conductor to rest (Pf/m)	345	345	345	335	323	320
Nominal Inductance (μH/m)	0.5	0.5	0.5	0.5	0.5	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 60754-1 & 2
IEC 61034, IEC 60332-3-24
RoHS directives