

Audio Control & Instrumentation Cable

3C, 22 to 18AWG, Screened, PVC or HFFR Sheath

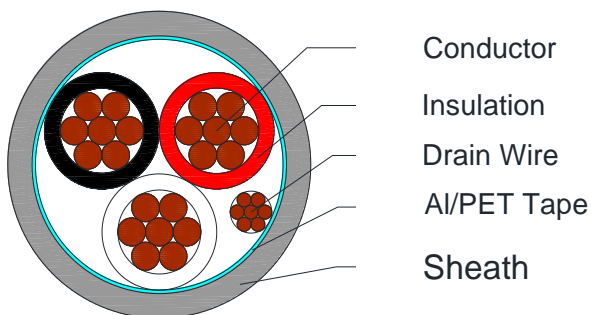


CI215, CI225, CI245, CI410, CI411, CI412

Applications

Screened cable Suitable for Audio, Control and Instrumentation

Cross Section Drawing



Design

Unit	Properties
Conductor	3 x Tinned Copper wire, twisted
Insulation	Polyethylene Core 1: Black Core 2: Red Core 3: Clear
Drain wire	Tinned Copper wire
Screen	Aluminium/Polyester Foil
Sheath Material	Flame Retardant Polyvinyl Chloride (PVC) Standard colour: Grey Or Halogen Free Flame Retardancy (HFFR) Standard colour: Purple
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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C1215, C1225, C1245, C1410, C1411, C1412

Physical Characteristics

Part Number	C1225	C1245	C1215	C1410	C1411	C1412
Number of Cores	3					
Nom. Diameter Conductor (AWG)	18	20	22	18	20	22
Conductor stranding (AWG)	7 x 26	7 x 28	7 x 30	7 x 26	7 x 28	7 x 30
Nom. Radial Thickness Insulation (mm)	0.46	0.41	0.41	0.46	0.41	0.41
Drain wire size (AWG)	24AWG (7 x32)					
Coverage of screen (%)	115					
Nom. Radial Thickness Sheath (mm)	0.7	0.6	0.6	0.7	0.6	0.6
Nom. Overall Diameter (mm)	6.2	5.2	4.9	6.2	5.2	4.9
Sheath Material	PVC			HFFR		
Operating Temperature (°C)	-25°C to +75°C					
Max. Recommended Pulling Tension (N)	220	150	110	220	150	110
Min. Bend Radius (install) (mm)	62	52	49	62	52	49
Nominal Cable Weight (kg/km)	56	39	32	56	39	32

Electrical Characteristics

Part Number	C1225	C1245	C1215	C1410	C1411	C1412
Max. Conductor Resistance (Ohm/km)	22.7	35.75	57.4	22.7	35.75	57.4
Max. Screen Resistance (Ohm/km)	78.5					
Capacitance cond to cond (pF/m)	75	75	75	80	80	80
Capacitance Cond to rest (pF/m)	150					
Max. Current at 25°C (Amps)	5.3	4.0	2.9	5.3	4.0	2.9
Operating Voltage (Vrms)	300					
Min. Insulation Resistance (MOhm*km)	200					

Reference Standards

(BS) EN 50290-2
IEC 60228
IEC 60332-1
IEC 60754-1&-2 (HFFR only)
IEC 61034 (HFFR only)
RoHS directives