

Audio Control & Instrumentation Cable

3C, 22 to 18AWG, Screened, CMP PVC Sheath

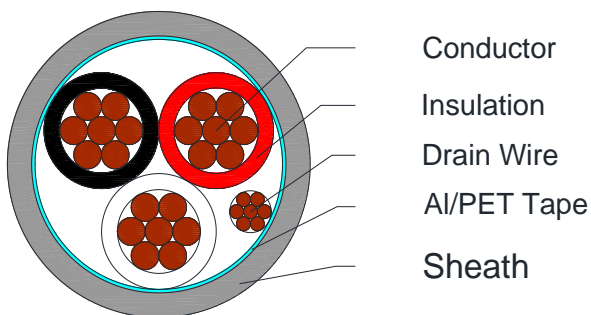


C8215, C8225, C8245

Applications

Screened cable Suitable for Audio, Control and Instrumentation

Cross Section Drawing



Design

Unit	Properties
Conductor	3 x Tinned Copper wire, twisted
Insulation	PVC Core 1: Black Core 2: Red Core 3: Clear
Drain wire	Tinned Copper wire
Screen	Aluminium/Polyester Foil
Sheath Material	Plenum Grade Flame-Retardant Polyvinyl Chloride (CMP 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

Part Number	C8225	C8245	C8215
Number of Cores	3		
Nom. Diameter Conductor (AWG)	18	20	22
Conductor stranding (AWG)	7 x 26	7 x 28	7 x 30
Nom. Radial Thickness Insulation (mm)	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
Nom. Overall Diameter (mm)	6.2	5.2	4.9
Operating Temperature (°C)	0°C to +60°C		
Max. Recommended Pulling Tension (N)	220	150	110
Min. Bend Radius (install) (mm)	62	52	49
Nominal Cable Weight (kg/km)	56	39	32

Electrical Characteristics

Part Number	C8225	C8245	C8215
Max. Conductor Resistance (Ohm/km)	22.7	35.75	57.4
Max. Screen Resistance (Ohm/km)	78.5		
Capacitance cond to cond (pF/m)	75	75	75
Capacitance Cond to rest (pF/m)	150		
Max. Current at 25°C (Amps)	5.3	4.0	2.9
Operating Voltage (Vrms)	300		
Min. Insulation Resistance (MOhm*km)	200		

Reference Standards

(BS) EN 50290-2
IEC 60228
NFC 725.154(A), ANSI/NFPA 262
RoHS directives