

Audio Control & Instrumentation Cable, 2C to 8C, 16AWG Overall Screen, Plenum Grade PVC Sheath

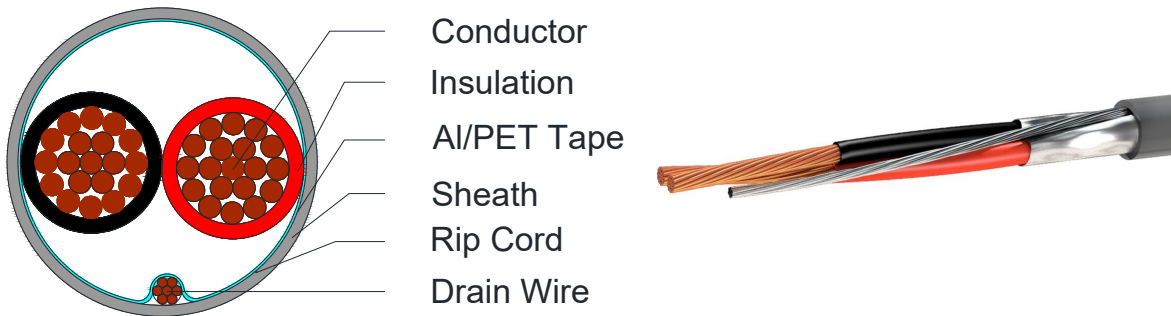


C8711, C8713, C8715, C8717, C8719

Applications

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

Cross Section Drawing



Design

Unit	Properties
Conductor	N x Bare Copper wire, 16AWG flexible
Insulation	PVC 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 Material	Plenum Grade 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

Part Number	C8711	C8713	C8715	C8717	C8719
No of cores x 16AWG (19 x 29)	2	3	4	6	8
Nom. Diameter Conductor (mm)	1.4				
Nom. Radial Thickness Insulation (mm)	0.30				
Nom. Radial Thickness Sheath (mm)	0.70				
Nom. Overall Diameter (mm)	5.5	5.8	6.3	7.4	8.0
Operating Temperature (°C)	0 / +60				
Max. Recommended Pulling Tension (N)	260	390	520	780	1040
Min. Bend Radius (install) (mm)	55	58	63	74	80
Nominal Cable Weight (kg/km)	45.4	59.2	73.6	102.6	130.4

Electrical Characteristics

Part Number	C8711	C8713	C8715	C8717	C8719
No of cores x 16AWG (19 x 29)	2	3	4	6	8
Max. DC Resistance Conductor (Ω/km)	15.47				
Max. DC Resistance Screen (Ω/km)	78.5				
Capacitance conductor to conductor (pF/m)	205	191	182	173	169
Capacitance conductor to the rest (pF/m)	370	343	327	311	304
Nominal Inductance (μH/m)	0.5				
Max. Recom. Current @ 25°C (Amps)	6.25	6.25	5	4.35	4.35
Max. Operating Voltage (Vrms)	300				

Reference Standards

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