

Audio Control & Instrumentation Cable, 2C or 4C, 16 to 12AWG Overall Screen, Plenum Grade PVC Sheath

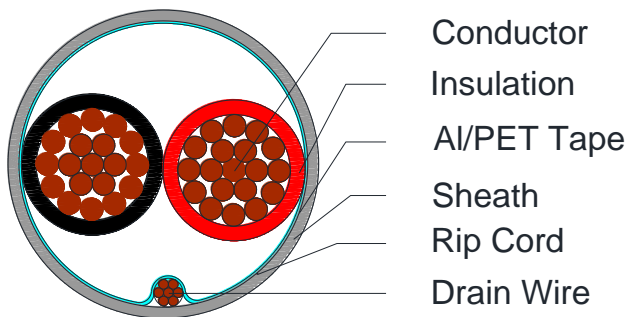


C8028, C8029, C8030, C8031, C8032, C8033

Applications

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

Cross Section Drawing



Design

Unit	Properties
Conductor	Flexible Tinned Copper wire
Insulation	PVC Core 1: Black Core 2: Red Core 3: White Core 4: Green
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	C8032	C8033	C8028	C8029	C8030	C8031
Conductor Gauge (AWG)	12AWG (19 x 25)		14AWG (19 x 27)		16AWG (19 x 29)	
No of cores	2	4	2	4	2	4
Nom. Diameter Conductor (mm)	2.33		1.8		1.4	
Nom. Radial Thickness Insulation (mm)	0.30		0.30		0.30	
Nom. Radial Thickness Sheath (mm)	0.80		0.80		0.70	
Nom. Overall Diameter (mm)	7.7	8.9	6.5	7.5	5.5	6.3
Operating Temperature (°C)	0 / +60					
Max. Recommended Pulling Tension (N)	675	1350	420	845	260	520
Min. Bend Radius (install) (mm)	77	89	65	75	55	63
Nominal Cable Weight (kg/km)	102	171	68	115	45.4	73.6

Electrical Characteristics

Part Number	C8032	C8033	C8028	C8029	C8030	C8031
No of cores	2	4	2	4	2	4
Max. DC Resistance Conductor (Ω /km)	5.61		9.36		15.47	
Max. DC Resistance Screen (Ω /km)	78.5					
Capacitance conductor to conductor (pF/m)	190	190	210	185	205	182
Capacitance conductor to the rest (pF/m)	345	345	400	400	370	327
Max. Recom. Current @ 25°C (Amps)	12	9.6	8	6.4	6.25	5
Max. Operating Voltage (Vrms)	300					

Reference Standards

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