

Audio Control & Instrumentation Cable, 2C to 12C, 22AWG Overall Screen, Plenum Grade PVC Sheath

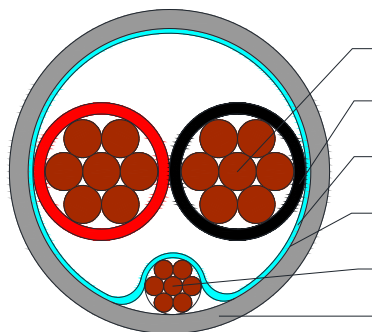


C8741, C8743, C8745, C8747, C8749, C8752

Applications

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

Cross Section Drawing



- Conductor
- Insulation
- Al/PET Tape
- Rip Cord
- Drain Wire
- Sheath



Design

Unit	Properties
Conductor	N x Bare Copper wire, 22AWG 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 Core 9: Purple Core 10: Grey Core 11: Pink Core 12: Tan
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	C8741	C8743	C8745	C8747	C8749	C8752
No of cores x 22AWG (7 x 30)	2	3	4	6	8	12
Nom. Diameter Conductor (mm)	0.75					
Nom. Radial Thickness Insulation (mm)	0.30					
Nom. Radial Thickness Sheath(mm)	0.45	0.45	0.45	0.65	0.65	0.65
Nom. Overall Diameter (mm)	3.7	3.90	4.3	5.4	5.8	7.1
Operating Temperature (°C)	0 / +60					
Max. Recommended Pulling Tension (N)	50	75	100	150	200	300
Min. Bend Radius (install) (mm)	37	39	43	54	58	71
Nominal Cable Weight (kg/km)	18.8	23.8	29.3	45.0	55.3	77.4

Electrical Characteristics

Part Number	C8741	C8743	C8745	C8747	C8749	C8752
No of cores x 22AWG (7 x 30)	2	3	4	6	8	12
Max. DC Resistance Conductor (Ω /km)	57.4					
Max. DC Resistance Screen (Ω /km)	78.5					
Capacitance conductor to conductor (pF/m)	130	128	121	118	118	118
Capacitance conductor to rest (pF/m)	234	230	218	213	213	213
Nominal Inductance (μ H/m)	0.5					
Max. Recom. Current @ 25°C (Amps)	2.8	2.8	2.25	1.95	1.95	1.95
Max. Operating Voltage (Vrms)	300					

Reference Standards

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