

Audio Control & Instrumentation Cable, 22AWG, 2 to 8C, Overall Screened & PVC Riser- CMR Sheath

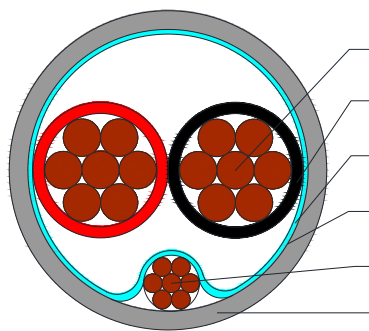


C1865, C1866, C1867, C1868, C1869

Applications

Multi-Conductor cable 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	Polyolefin 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	CMR Fire Rated 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	C1865	C1866	C1867	C1868	C1869
No of cores x 22AWG (7 x 30)	2	3	4	6	8
Nom. Diameter Conductor (mm)	0.75				
Nom. Radial Thickness Insulation (mm)	0.20				
Nom. Radial Thickness Sheath (mm)	0.6				
Nom. Overall Diameter (mm)	3.7	3.9	4.2	4.9	5.3
Operating Temperature (°C)	-25 / +75				
Max. Recommended Pulling Tension (N)	80	121	187	243	324
Min. Bend Radius (install) (mm)	37	39	42	49	53
Nominal Cable Weight (kg/km)	18.7	23.1	28.7	38.3	46.9

Electrical Characteristics

Part Number	C1865	C1866	C1867	C1868	C1869
No of cores x 22AWG (7 x 30)	2	3	4	6	8
Max. DC Resistance Conductor (Ω /km)	57.4				
Max. DC Resistance Screen (Ω /km)	78.5				
Capacitance conductor to conductor (pF/m)	78	75	70	64	60
Capacitance cond. To other cond.+screen (pF/m)	150	140	132	120	110
Nominal Inductance (μ H/m)	0.5				
Max. Recommended Current at 25°C (Amps)	2.8	2.8	2.25	1.95	1.95
Max. Operating Voltage (Vrms)	300				

Reference Standards

(BS) EN 50290-2
IEC 60228
UL 1666, CMR
RoHS directives