

Audio Control & Instrumentation Cable, 24AWG, 2 to 10C, Overall Screened & PVC Sheath

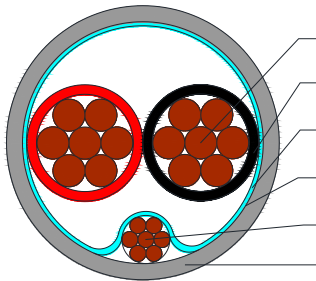


C4801, C4802, C4803, C4804, C4805, C4806, C4807

Applications

Multi-Conductor cable suitable for Audio, Control, Instrumentation and Building Management Systems (BMS). UL listed E486876.(Type CL2X)

Cross Section Drawing



Conductor
Insulation
Al/PET Tape
Rip Cord
Drain Wire
Sheath



Design

Unit	Properties
Conductor	N x Bare Copper wire, 24AWG 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 Core 9: Purple Core 10: Grey
Cabling	Cores cabled/twisted together
Drain wire	24 AWG (7 x 32) Tinned Copper
Screen	Aluminium/Polyester 100% Coverage
Rip cord	Nylon yarn
Sheath Material	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	4801	4802	4803	4804	4805	4806	C4807
No of cores x 24AWG (7 x 32)	2	3	4	6	8	9	10
Nom. Diameter Conductor (mm)	0.60						
Nom. Radial Thickness Insulation (mm)	0.20						
Nom. Radial Thickness Sheath (mm)	0.4						
Nom. Overall Diameter (mm)	2.9	3.1	3.3	3.9	4.2	4.6	4.9
Operating Temperature (°C)	-25 / +75						
Max. Recommended Pulling Tension (N)	75	110	170	200	300	320	390
Min. Bend Radius (install) (mm)	29	31	33	39	42	46	49
Nominal Cable Weight (kg/km)	12.6	15.3	18.3	24.4	30.0	33.2	36.3

Electrical Characteristics

Part Number	4801	4802	4803	4804	4805	4806	C4807
No of cores x 24AWG (7 x 32)	2	3	4	6	8	9	10
Max. DC Resistance Conductor (Ω/km)	88						
Max. DC Resistance Screen (Ω/km)	78.5						
Capacitance conductor to conductor (pF/m)	100	82	80	75	65	65	65
Capacitance cond. To other cond.+screen (pF/m)	200	160	160	150	130	130	130
Nominal Inductance (μH/m)	0.5						
Max. Recommended Current at 25°C (Amps)	1.95	1.95	1.95	1.5	1.5	1.5	1.5
Max. Operating Voltage (Vrms)	300						

Reference Standards

(BS) EN 50290-2	UL 1581
IEC 60228	UL listed E486876. (Type CL2X)
IEC 60332-1	RoHS directives