

Audio Control & Instrumentation Cable, 2C to 10C, 16AWG, Unscreened & Oil, UV, Chemical Resistant PVC Sheath

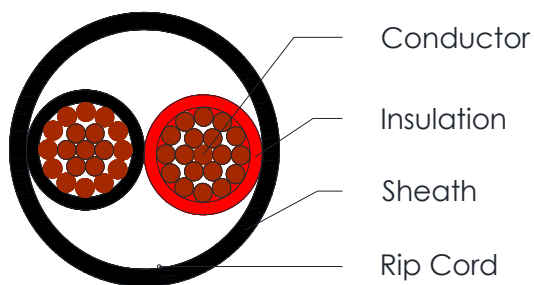


C4247, C4248, C4249, C4250, C4251, C4252

Applications

Unscreened Multi-Conductor cable 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	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
Rip cord	Nylon yarn
Sheath	Oil, UV, Chemical Resistant & Flame-Retardant Polyvinyl Chloride (PVC) Standard colour: Black
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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2C to 10C, 16AWG, Unscreened & Oil, UV,
Chemical Resistant PVC Sheath**



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Physical Characteristics

Part Number	C4247	C4248	C4249	C4250	C4251	C4252
No of cores x 16AWG (19 x 29)	2	3	4	6	8	10
Nom. Diameter Conductor(mm)	1.4					
Nom. Radial Thickness Insulation(mm)	0.2					
Nom. Radial Thickness Sheath(mm)	0.4	0.4	0.4	0.4	0.4	0.5
Nom. Overall Diameter(mm)	4.5	4.75	5.25	6.7	7.5	8.2
Operating Temperature (°C)	-25 to +75					
Max. Recommended Pulling Tension (N)	262	391	520	780	1040	1300
Min. Bend Radius (install)(mm)	46	49	53	68	76	82
Nominal Cable Weight (kg/km)	35	47.7	61.1	89	118.1	135.5

Electrical Characteristics at 20°C

Part Number	C4247	C4248	C4249	C4250	C4251	C4252
No of cores x 16AWG (19 x 29)	2	3	4	6	8	10
Max. DC Resistance Conductor (Ω/km)	15.47					
Capacitance conductor to conductor (pF/m)	53	56	55	48	45	45
Nominal Inductance (μH/m)	0.5					
Max. Recommended Current at 25°C (Amps)	6.25	6.25	5.00	4.35	4.35	4.35
Max. Operating Voltage (Vrms)	300					

Reference Standards

(BS) EN 50290-2
IEC 60228
IEC 60332-1
UL 1581
(BS) EN 60811
RoHS directives