

Audio, Control & Instrumentation Cable

2 to 12pr,22AWG Unscreened – PVC Sheath

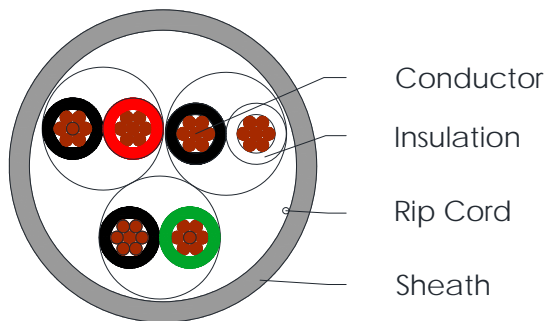


C4651, C4652, C4653, C4654, C4655, C4656, C4657, C4658, C4659, C4660

Applications

Overall screened paired cables suitable for Security and Alarm systems, Audio, Control and Instrumentation

Cross Section Drawing



Design

Unit	Properties
Conductor	Bare Copper wires
Insulation	Polyolefin Pair 1: Black/Red Pair 2: Black/White Pair 3: Black/Green Pair 4: Black/Blue Pair 5: Black/Yellow Pair 6: Black/Brown Pair 7: Black/Orange Pair 8: Black/Purple Pair 9: Black/Grey Pair 10: Black/Pink Pair 11: Black/Tan Pair 12: Black/Turquoise
Pair	two twisted wires
Cable Core	N pairs stranded
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	C4651	C4652	C4653	C4654	C4655	C4656	C4657	C4658	C4659	C4660
No. of Pairs	2	3	4	5	6	7	8	9	10	12
Nom. Diameter Conductor (AWG)	22 (7 x30)									
Nom. Radial Thickness Insulation (mm)	0.20									
Nom. Radial Thickness Sheath (mm)	0.4	0.4	0.4	0.5	0.5	0.5	0.6	0.6	0.7	0.8
Nom. Overall Diameter (mm)	5.0	5.3	5.8	6.6	7.3	7.5	8.1	8.9	9.8	10.3
Operating Temperature (°C)	-25°C to +75°C									
Max. Recommended Pulling Tension (N)	186	267	348	430	510	600	686	770	856	1027
Min. Bend Radius (install) (mm)	50	53	58	66	73	75	81	89	98	103
Nominal Cable Weight (kg/km)	23.1	30.6	39.5	53.0	63.4	70.0	82.0	91.0	104.2	124.2

Electrical Characteristics

Part Number	C4651	C4652	C4653	C4654	C4655	C4656	C4657	C4658	C4659	C4660
No. of Pairs	2	3	4	5	6	7	8	9	10	12
Max. Conductor Resistance (Ohm/km)	57.4									
Capacitance cond to cond (pF/m)	60	60	60	60	62	62	65	65	65	65
Max. Current at 25°C (Amps)	2.2	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Operating Voltage (Vrms)	300									

Reference Standards

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