

Audio, Control & Instrumentation Cable

1 to 12pr, 0.75MM² Unscreened – PVC Sheath

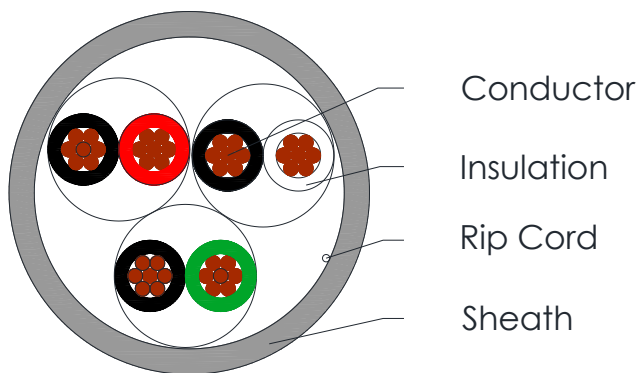


C4680, C4681, C4682, C4683, C4684, C4685, C4686, C4687, C4688, C4689,

Applications

Unscreened 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 Core	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	C4680	C4681	C4682	C4683	C4684	C4685	C4686	C4687	C4688	C4689	C4690
No. of Pairs	1	2	3	4	5	6	7	8	9	10	12
Cross Section (mm ²)	0.75										
Nom. Radial Thickness Insulation (mm)	0.20										
Nom. Radial Thickness Sheath (mm)	0.4	0.4	0.4	0.5	0.5	0.6	0.6	0.8	0.8	0.8	0.8
Nom. Overall Diameter (mm)	3.9	6.0	7.4	8.0	8.3	8.8	9.4	10.2	10.9	11.4	12.3
Operating Temperature (°C)	-25°C to +75°C										
Max. Recommended Pulling Tension (N)	200	400	575	735	995	1154	1387	1594	1810	2015	2375
Min. Bend Radius (install) (mm)	40	60	74	80	83	88	94	102	109	114	123
Nominal Cable Weight (kg/km)	27.3	45.8	64.0	81.9	103.4	128.0	145.6	171.2	192.2	214.3	250.0

Electrical Characteristics

Part Number	C4680	C4681	C4682	C4683	C4684	C4685	C4686	C4687	C4688	C4689	C4690
No. of Pairs	1	2	3	4	5	6	7	8	9	10	12
Max. Conductor Resistance (Ohm/km)	22.7										
Capacitance cond to cond (pF/m)	48										
Max. Current at 25°C (Amps)	5	4	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Operating Voltage (Vrms)	300										

Reference Standards

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