

# Audio, Control & Instrumentation Cable

## 2 to 12pr, 20AWG Unscreened – PVC Sheath

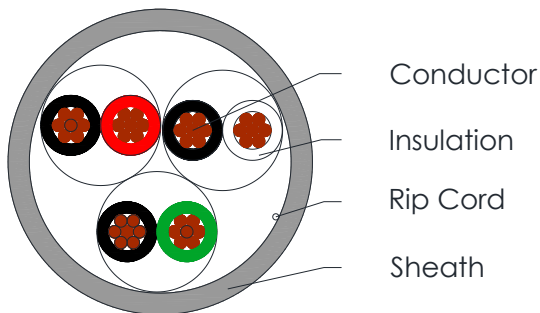


C4865, C4866, C4867, C4868, C4869, C4870, C4871, C4872, C4873, C4874

### 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 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	C4865	C4866	C4867	C4868	C4869	C4870	C4871	C4872	C4873	C4874
No. of Pairs	2	3	4	5	6	7	8	9	10	12
Conductor Construction (AWG)	20 (7 x28)									
Nom. Radial Thickness Insulation (mm)	0.20									
Nom. Radial Thickness Sheath (mm)	0.4	0.4	0.5	0.5	0.6	0.6	0.6	0.8	0.8	0.8
Nom. Overall Diameter (mm)	5.6	6.0	6.6	7.3	7.8	8.0	8.7	9.8	10.3	10.5
Operating Temperature (°C)	-25°C to +75°C									
Max. Recommended Pulling Tension (N)	322	463	592	800	930	1118	1285	1460	1625	1915
Min. Bend Radius (install) (mm)	56	60	66	73	78	80	87	98	103	105
Nominal Cable Weight (kg/km)	34	46	59	73	85	98	111	134	150	175

### Electrical Characteristics

Part Number	C4865	C4866	C4867	C4868	C4869	C4870	C4871	C4872	C4873	C4874
No. of Pairs	2	3	4	5	6	7	8	9	10	12
Max. Conductor Resistance (Ohm/km)	35.75									
Capacitance cond to cond (pF/m)	50	50	50	50	50	45	45	45	45	45
Max. Current at 25°C (Amps)	3.0	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
Operating Voltage (Vrms)	300									

### Reference Standards

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