

Audio, Control & Instrumentation Cable

2 to 12pr, 20AWG Unscreened – HFFR/LSZH Sheath

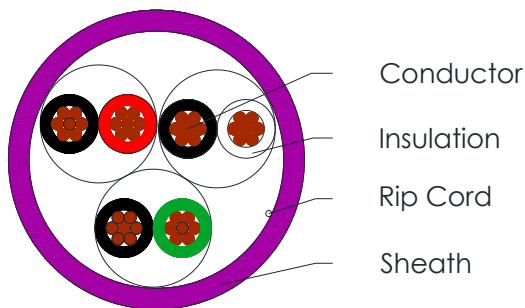


C5334, C5335, C5336, C5337, C5338, C5339, C5340, C5341, C5342, C5343

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	HFFR/LSZH 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 Halogen Free (HFFR/LSZH) Standard colour: Purple
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	C5334	C5335	C5336	C5337	C5338	C5339	C5340	C5341	C5342	C5343
No. of Pairs	2	3	4	5	6	7	8	9	10	12
Conductor Construction (AWG)	20 (7 x28)									
Nom. Radial Thickness Insulation (mm)	0.25									
Nom. Radial Thickness Sheath (mm)	0.8									
Nom. Overall Diameter (mm)	6.6	7.1	7.7	8.2	8.8	8.9	9.6	10.1	10.7	11.3
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)	66	71	77	82	88	89	96	101	107	113
Nominal Cable Weight (kg/km)	45	58	72	85	99	111	125	139	153	176

Electrical Characteristics

Part Number	C5334	C5335	C5336	C5337	C5338	C5339	C5340	C5341	C5342	C5343
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)	48	48	48	45	45	45	45	45	42	42
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 60754-1 & 2
IEC 61034, IEC 60332-3-24
RoHS directives