

# Audio, Control & Instrumentation Cable

2 to 12pr, 18AWG Unscreened – LSZH-HFFR Sheath

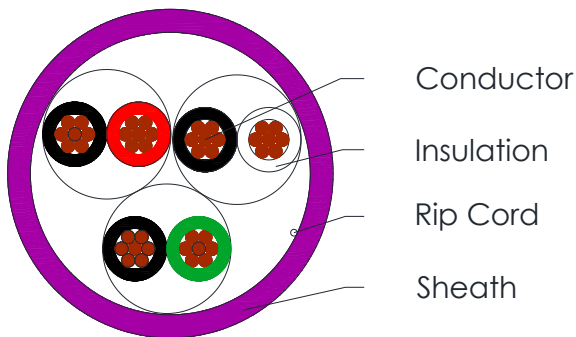


C5201, C5205, C5206, C5207, C5208, C5209, C5210, C5211, C5212, C5213

## Applications

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

## Cross Section Drawing



## Design

Unit	Properties
Conductor	Tinned 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	Halogen Free Flame Retardancy(HFFR) 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	C5201	C5205	C5206	C5207	C5208	C5209	C5210	C5211	C5212	C5213
No. of Pairs	2	3	4	5	6	7	8	9	10	12
Nom. Diameter Conductor (AWG)	18 (7 x26)									
Nom. Radial Thickness Insulation (mm)	0.20									
Nom. Radial Thickness Sheath (mm)	0.45	0.45	0.5	0.5	0.6	0.6	0.8	0.8	0.8	0.8
Nom. Overall Diameter (mm)	6.4	7.0	7.7	8.3	9.1	9.2	10.0	10.8	11.3	11.7
Operating Temperature (°C)	-25°C to +75°C									
Max. Recommended Pulling Tension (N)	400	575	735	995	1154	1387	1594	1810	2015	2375
Min. Bend Radius (install) (mm)	63	69	79	83	95	96	102	110	117	120
Nominal Cable Weight (kg/km)	45.8	64.0	81.9	103.4	128.0	145.6	171.2	192.2	214.3	250.0

### Electrical Characteristics

Part Number	C5201	C5205	C5206	C5207	C5208	C5209	C5210	C5211	C5212	C5213
No. of Pairs	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)	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 60754-1&-2
IEC 60228	IEC 61034-1&-2
IEC 60332-1	RoHS directives