

# Audio, Control & Instrumentation Cable

## 2 to 12pr,22AWG Unscreened – LSZH-HFFR Sheath

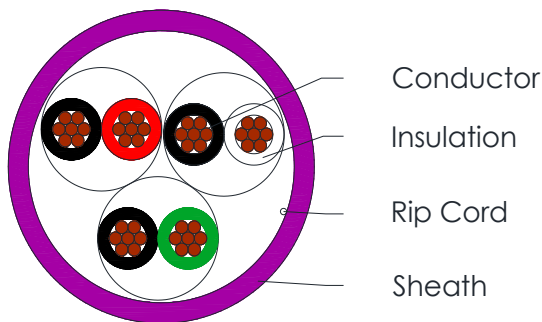


C5662, C5663, C5664, C5665, C5666, C5667, C5668, C5669, C5670, C5671

### 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	Halogen Free Flame Retardant (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	Halogen Free Flame Retardant (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	C5662	C5663	C5664	C5665	C5666	C5667	C5668	C5669	C5670	C5671
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)	0.25									
Nom. Radial Thickness Sheath (mm)	0.65									
Nom. Overall Diameter (mm)	5.6	6.2	6.9	7.3	7.7	8.1	8.5	9.5	10.2	10.5
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)	56	62	69	73	77	81	85	95	102	105
Nominal Cable Weight (kg/km)	27.1	34.6	43.5	57.0	67.4	75.0	86.0	99	109.2	127.2

### Electrical Characteristics

Part Number	C5662	C5663	C5664	C5665	C5666	C5667	C5668	C5669	C5670	C5671
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

IEC 60332-3-24	IEC 60754-1 & 2
IEC 60228	IEC 61034
BS)EN 50290	RoHS directives