

Audio, Control & Instrumentation Cable

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

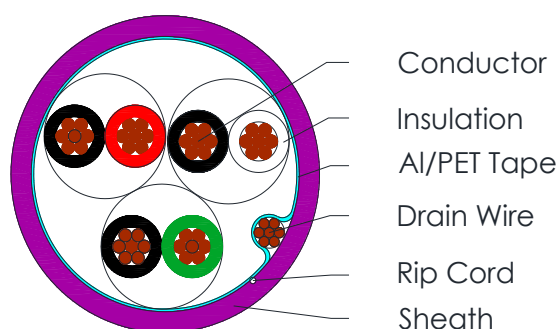


C5 I 27, C5 I 28, C5 I 29, C5 I 30, C5 I 31, C5 I 32, C5 I 33, C5 I 34, C5 I 35, C5 I 36

Applications

Overall screened 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
Overall Screen	Aluminium/Polyester foil
Drain Wire	Tinned Copper Wire
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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C5127, C5128, C5129, C5130, C5131, C5132, C5133, C5134, C5135, C5136

Physical Characteristics

Part Number	C5127	C5128	C5129	C5130	C5131	C5132	C5133	C5134	C5135	C5136
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									
Drain wire size (AWG)	24AWG (7 x32)									
Coverage of screen (%)	115									
Nom. Radial Thickness Sheath (mm)	0.8									
Nom. Overall Diameter (mm)	6.7	7.3	7.8	8.4	8.9	9.0	9.7	10.3	10.8	11.4
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)	67	73	78	84	89	90	97	103	108	114
Nominal Cable Weight (kg/km)	48	61	75	89	103	115	129	144	158	182

Electrical Characteristics

Part Number	C5127	C5128	C5129	C5130	C5131	C5132	C5133	C5134	C5135	C5136
No. of Pairs	2	3	4	5	6	7	8	9	10	12
Max. Conductor Resistance (Ohm/km)	35.75									
Max. Screen Resistance (Ohm/km)	78.5									
Capacitance cond to cond (pF/m)	70	70	70	65	65	65	65	65	65	65
Capacitance Cond to rest (pF/m)	140	140	140	135	135	135	130	130	130	130
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