

# Audio, Control & Instrumentation Cable

## 2 to 12pr, 14AWG Overall Screened – HFFR/LSZH

### Sheath

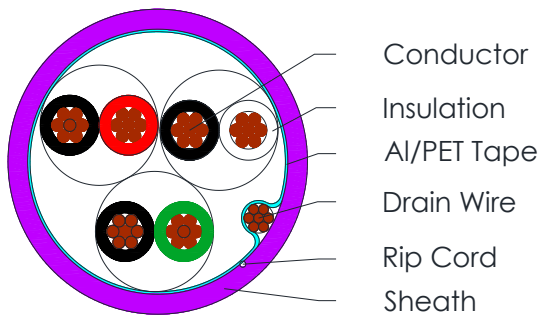


C5265, C5266, C5267, C5268, C5269, C5270, C5271, C5272, C5273, C5274

### 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	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
Drain Wire	Tinned Copper Wire
Overall Screen	Aluminium/Polyester foil
Rip Cord	Nylon Yarn
Sheath Material	Halogen Free Flame-Retardant (HFFR) / Low Smoke Zero Halogen (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.

# Audio, Control & Instrumentation Cable

## 2 to 12pr, 14AWG Overall Screened – HFFR/LSZH

### Sheath



C5265, C5266, C5267, C5268, C5269, C5270, C5271, C5272, C5273, C5274

#### Physical Characteristics

Part Number	C5265	C5266	C5267	C5268	C5269	C5270	C5271	C5272	C5273	C5274
No. of Pairs	2	3	4	5	6	7	8	9	10	12
Nom. Diameter Conductor (AWG)	14 (19 x27)									
Nom. Radial Thickness Insulation (mm)	0.30									
Drain wire size (AWG)	24AWG (7 x32)									
Coverage of screen (%)	115									
Nom. Radial Thickness Sheath (mm)	0.8	0.8	0.8	0.9	0.9	0.9	1.0	1.0	1.1	1.1
Nom. Overall Diameter (mm)	10.8	11.5	12.7	14.2	15.4	16.0	17.1	19.0	20.5	21.3
Operating Temperature (°C)	-25°C to +75°C									
Max. Recommended Pulling Tension (N)	490	730	980	1230	1480	2170	2470	2800	3120	3690
Min. Bend Radius (install) (mm)	108	115	127	142	154	160	171	190	205	213
Nominal Cable Weight (kg/km)	123.9	167.9	214.1	266.7	323.0	357.3	410.4	460.3	516.9	603.4

#### Electrical Characteristics

Part Number	C5265	C5266	C5267	C5268	C5269	C5270	C5271	C5272	C5273	C5274
No. of Pairs	2	3	4	5	6	7	8	9	10	12
Max. Conductor Resistance (Ohm/km)	9.36									
Max. Screen Resistance (Ohm/km)	78.5									
Capacitance cond to cond (pF/m)	142	135	135	130	130	130	130	125	125	125
Capacitance Cond to rest (pF/m)	280	270	270	260	260	260	260	250	250	250
Max. Current at 25°C (Amps)	6.4	5.6	5.6	5.6	5.0	5.0	5.0	5.0	5.0	5.0
Operating Voltage (Vrms)	300									

#### Reference Standards

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