

# Audio, Control & Instrumentation Cable

## 1 to 12pr, 0.34MM2 Overall Screened – PVC Sheath

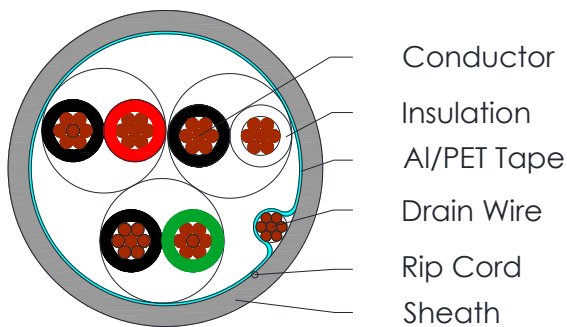


C4691, C4692, C4693, C4694, C4695, C4696, C4697, C4698, C4699, C4700, C4701

### 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	Flame-Retardant Polyvinyl Chloride (PVC) Standard colour: Grey
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

## I to I 2pr, 0.34MM<sup>2</sup> Overall Screened – PVC Sheath



C4691, C4692, C4693, C4694, C4695, C4696, C4697, C4698, C4699, C4700, C4701

### Physical Characteristics

Part Number	C4691	C4692	C4693	C4694	C4695	C4696	C4697	C4698	C4699	C4700	C4701
No. of Pairs	1	2	3	4	5	6	7	8	9	10	12
Cross Section (mm <sup>2</sup> )	0.34										
Nom. Radial Thickness Insulation (mm)	0.20										
Drain wire size (AWG)	24AWG (7 x32)										
Coverage of screen (%)	115										
Nom. Radial Thickness Sheath (mm)	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.6	0.6	0.7	0.8
Nom. Overall Diameter (mm)	3.3	5.1	5.4	5.9	6.7	7.4	7.6	8.2	9.0	9.9	10.4
Operating Temperature (°C)	-25°C to +75°C										
Max. Recommended Pulling Tension (N)	80	186	267	348	430	510	600	686	770	856	1027
Min. Bend Radius (install) (mm)	33	51	54	59	67	74	76	82	90	99	104
Nominal Cable Weight (kg/km)	15.7	25.3	32.7	41.6	55.0	65.5	72.2	84.0	93.1	106.3	126.3

### Electrical Characteristics

Part Number	C4691	C4692	C4693	C4694	C4695	C4696	C4697	C4698	C4699	C4700	C4701
No. of Pairs	1	2	3	4	5	6	7	8	9	10	12
Max. Conductor Resistance (Ohm/km)	57.4										
Max. Screen Resistance (Ohm/km)	78.5										
Capacitance cond to cond (pF/m)	78	79	79	79	84	84	84	84	84	90	90
Capacitance Cond to rest (pF/m)	150	142	142	142	153	153	153	153	153	160	160
Max. Current at 25°C (Amps)	2.8	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

(BS) EN 50290-2
IEC 60228
IEC 60332-1
RoHS directives