

# Audio Control & Instrumentation Cable

## Individually Screened & PVC Sheath

### 18AWG, 3pr, 6pr, 9pr, 12pr & 15pr

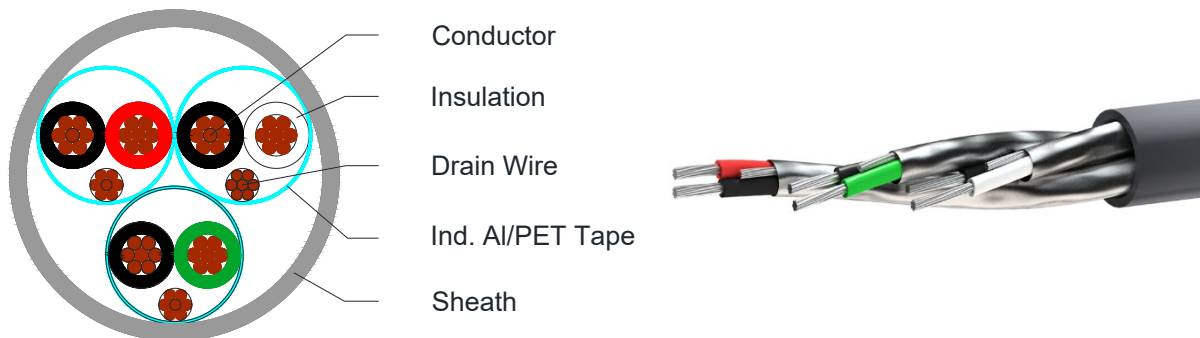


C1996, C1997, C1998, C1999, C2000

### Applications

Individual screened paired cable suitable for Audio, Control and Instrumentation

### Cross Section Drawing



### Design

Unit	Properties	
Conductor	Tinned Copper wires	
Insulation	Polypropylene (PP) 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: Red/White Pair 9: Red/Green Pair 10: Red/Blue Pair 11: Red/Yellow Pair 12: Red/Brown Pair 13: Red/Orange Pair 14: Green/White Pair 15: Green/Blue
Pair	Two wires twisted together	
Drain Wire	20 AWG (7 x 28) Tinned Copper	
Screen	Each pair individually screened with an Aluminium/Polyester foil 100% Coverage	
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

## Individually Screened & PVC Sheath

### 18AWG, 3pr, 6pr, 9pr, 12pr & 15pr



C1996, C1997, C1998, C1999, C2000

#### Physical Characteristics

Part Number	C1996	C1997	C1998	C1999	C2000
Number of pairs	3	6	9	12	15
Conductor size (AWG)	18 (19 x 30)				
Conductor stranding (mm)	1.25				
Nom. Radial Thickness Insulation (mm)	0.48				
Nom. Drain wire size (AWG)	20 (7 x 28)				
Screen Coverage (%)	100				
Nom. Radial Thickness Sheath (mm)	0.89	1.3	1.3	1.3	1.3
Nom. Overall Diameter (mm)	11.0	15.4	18.5	20.4	23.0
Operating Temperature (°C)	-25 / +80				
Max. Recommended Pulling Tension (N)	240	1574	2357	3145	3932
Min. Bend Radius (install) (mm)	110	154	185	204	230
Nominal Cable Weight (kg/km)	124	236	363	409	521

#### Electrical Characteristics

Part Number	C1996	C1997	C1998	C1999	C2000
Number of pairs	3	6	9	12	15
Max. DC Resistance Conductor ( $\Omega$ /km)	22.7				
Max. DC Resistance Screen ( $\Omega$ /km)	29.7				
Capacitance conductor to conductor (pF/m)	98				
Capacitance cond. To other cond.+screen (pF/m)	180				
Nominal Impedance ( $\Omega$ )	50				
Max. Recommended Current at 25°C (Amps)	3.6	3.6	2.7	2.7	2.7

#### Reference Standards

(BS) EN 50290-2	UL Style 2919 (30V 80°C)
IEC 60228	
IEC 60332-1	
RoHS directives	