

# Audio Control & Instrumentation Cable, 22 to 18AWG, Screened & Armoured PE Sheath

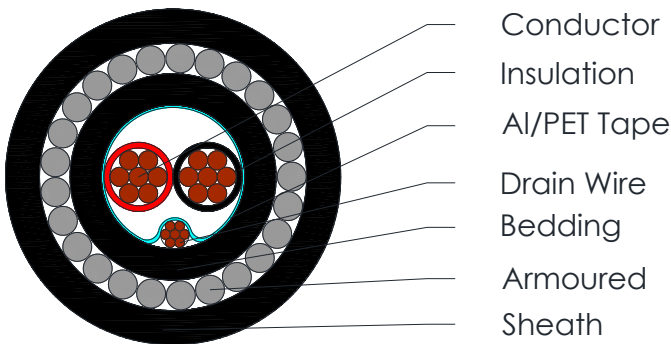


C5955, C5956, C5957, C5958

## Applications

Armoured Multi-Conductor cable suitable for Audio, Control, Instrumentation and Building Management Systems (BMS)

## Cross Section Drawing



## Design

Unit	Properties
Conductor	N x Bare Copper wire
Insulation	Polyethylene Core 1: Black Core 2: Red Core 3: White Core 4: Green Core 5: Brown Core 6: Blue Core 7: Orange Core 8: Yellow Core 9: Purple Core 10: Grey
Drain wire	24 AWG (7 x 32) Tinned Copper
Screen	Aluminium/Polyester 100% Coverage
Bedding	LDPE Color: Black
Armoured	Galvanized steel wire
Sheath Material	UV Resistant LDPE Standard Color: Black
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, 22 to 18AWG, Screened & Armoured PE Sheath



**C5955, C5956, C5957, C5958**

## Physical Characteristics

Part Number	C5955	C5956	C5957	C5958
No of cores	2	2	8	10
Conductor Construction (AWG)	16(19 x 29)	18(7 x 26)	22(7 x 30)	22(7 x 30)
Nom. Radial Thickness Insulation(mm)	0.2			
Steel Wire Diameter(mm)	0.90			
Nom. Overall Diameter(mm)	8.9	8.4	9.1	10.0
Operating Temperature (°C)	-25 to +75			
Min. Bend Radius (install)(mm)	140	130	145	160

## Electrical Characteristics at 20°C

Part Number	C5955	C5956	C5957	C5958
No of cores	2	2	8	10
Conductor Construction (AWG)	16(19 x 29)	18(7 x 26)	22(7 x 30)	22(7 x 30)
Max. DC Resistance Conductor ( $\Omega$ /km)	15.47	22.7	57.4	57.4
Max. DC Resistance Screen ( $\Omega$ /km)	78.5			
Capacitance conductor to conductor (pF/m)	95	90	75	75
Capacitance cond. To Rest (pF/m)	175	170	160	145
Max. Recommended Current at 25°C (Amps)	5	5	4	3.5
Max. Operating Voltage (Vrms)	300			

## Reference Standards

(BS) EN 50290-2	IEC 60228
RoHS directives	