

Audio Control & Instrumentation Cable

1 pr 22 to 18AWG, Overall Screen, CMP PVC Sheath

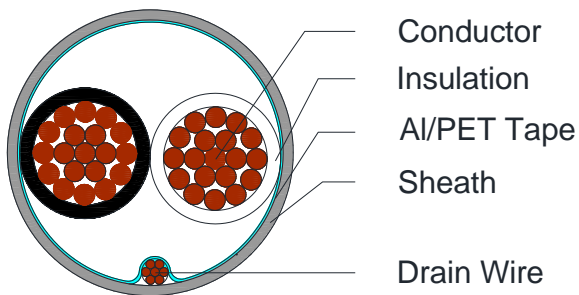


C8758, C8759, C8760

Applications

Screened one pair cable suitable for Audio Control, Instrumentation and Building Management Systems (BMS)

Cross Section Drawing



Design

Unit	Properties
Conductor	Tinned Copper Wires
Insulation	Fluorinated Ethylene Propylene Core 1: Black Core 2: Clear
Pair	Two wires twisted together
Screen	Aluminium/Polyester 100% Coverage
Drain wire	24 AWG (7 x 32) Tinned Copper wire
Sheath Material	Plenum Grade Flame-Retardant Polyvinyl Chloride (CMP 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

1 pr 22 to 18AWG, Overall Screen, CMP PVC Sheath



C8758, C8759, C8760

Physical Characteristics

Part Number	C8758	C8759	C8760
Number of pairs	1		
Conductor size (AWG)	18	20	22
Conductor stranding (AWG)	7x26	7x28	7x30
Nom. Radial Thickness Insulation (mm)	0.5	0.5	0.4
Nom. Insulation diameter (mm)	2.16	1.73	1.54
Nom. Radial Thickness Sheath (mm)	0.7	0.6	0.6
Nom. Overall Diameter (mm)	5.8	4.8	4.4
Operating Temperature (°C)	0 / +60		
Max. Recommended Pulling Tension (N)	200	110	80
Min. Bend Radius (install) (mm)	58	48	44
Nominal Cable Weight (kg/km)	47	35	27

Electrical Characteristics

Part Number	C8758	C8759	C8760
Conductor AWG size (AWG)	18	20	22
Max. DC Resistance Conductor (Ω /km)	21.7	35.75	52.7
Max. DC Resistance Screen (Ω /km)	78.5		
Capacitance conductor to conductor (pF/m)	75	75	75
Capacitance cond. To other cond.+screen (pF/m)	134	120	108
Nominal Inductance (μ H/m)	0.6		
Max. Recommended Current at 25°C (Amps)	5.2	3.9	2.9
Max. Operating Voltage (Vrms)	300	300	300

Reference Standards

(BS) EN 50290-2
IEC 60228
NFC 725.154(A), ANSI/NFPA 262
RoHS directives