

Audio Control & Instrumentation Cable

2pr to 6pr, 22AWG Individually Screened, SWA Armoured, HFFR sheath



C1398, C1399, C1400

Applications

Outdoor cable suitable for Audio, Control and Instrumentation

Cross Section Drawing



Design

Unit	Properties
Conductor	Flexible Tinned Copper wires
Insulation	HFFR Pair 1: Black/Red Pair 2: Black/White (Green/White for 2pr) Pair 3: Black/Green Pair 4: Black/Blue Pair 5: Black/Yellow Pair 6: Black/Brown
Pairs	Two wires twisted together
Drain Wire	Tinned Copper wire
Screen	Each pair individually screened with an Aluminium/Polyester foil tape
Bedding	HFFR (Halogen Free, Flame Retardant) Standard colour: Black
Armour	Galvanized Steel Wire
Outer sheath	UV resistance HFFR Standard colour: Black
Standard Put Up Length	305 metres

*Other Colors, Put Up Lengths and structures can be manufactured upon request, please contact your local B3 International sales representative.

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C1398, C1399, C1400 Physical Characteristics

Part Number	C1398	C1399	C1400
Number of pairs	2	3	6
Conductor size (AWG)	22 (7×30)		
Nom. Diameter Conductor (mm)	0.75		
Nom. Radial Thickness Insulation (mm)	0.25		
Drain wire size (AWG)	24(7×32)		
Screen Coverage (%)	115		
Nom. Radial Thickness Sheath (mm)	0.8		
Nom. Bedding Diameter (mm)	6.5	7.5	9.5
Nom. Steel wire Diameter (mm)	0.90		
Nom. Armouring coverage (%)	95	95	95
Nom. Outer sheath diameter (mm)	1.25		
Nom. Overall Diameter (mm)	10.9	11.8	13.2
Operating Temperature (°C)	-25 / +75		
Max. Recommended Pulling Tension (N)	370	480	640
Min. Bend Radius (install)	135	150	180

Electrical Characteristics at 20°C

Part Number	C1398	C1399	C1400
Max. DC Resistance Conductor (Ω/km)	57.4		
Capacitance conductor to conductor (pF/m)	150	155	155
Capacitance cond. To other cond.+screen (pF/m)	285	295	295
Max. Recommended Current at 25°C (Amps)	2.3	2	2
Max. Operating Voltage (Vrms)	300		

Reference Standards

(BS) EN 50290-2
EN 60228
IEC 60754-1 & 2
IEC 61034
IEC 60332-3-24
EN 60811-HD21.14
RoHS directives