

# Digital Audio Cables

## I Pair, 24AWG, Shielded, PVC Sheath

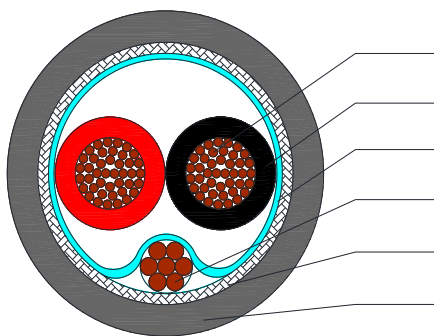


**C4573**

### Applications

Digital Audio Cable.

### Cross Section Drawing



Conductor  
Insulation  
Al/PET Tape  
Drain Wire  
Braiding  
Sheath

### Design

Unit	Properties
Conductor	Bare Copper Wires, Flexible
Insulation	Foamed High Density Polyethylene Pair 1: Red + Black
Screen	Al/PET Tape
Drain Wire	Bare Copper wire
Braiding	Tinned Copper Wire
Sheath Material	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.

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### C4573

#### Physical Characteristics

Part Number	C4573
Number of pairs	1
Conductor size (AWG)	24(42 x 40)
Nom. Diameter Conductor (mm)	0.6
Nom. Diameter Insulation (mm)	1.50
Drain wire size (AWG)	26(7 x 34)
Braiding Coverage (%)	95
Nom. Overall Diameter (mm)	5.40
Operating Temperature (°C)	-25 / +75
Max. Recommended Pulling Tension (N)	184
Min. Bend Radius (install) (mm)	54
Nominal Weight (kg/km)	35.7

#### Electrical Characteristics (at 20°C)

Part Number	C4573
No of pairs	1
Nominal Characteristic Impedance ( $\Omega$ )	110
Nom. DC Resistance Conductor ( $\Omega$ /km)	77.7
Nom. DC Resistance Screen ( $\Omega$ /km)	21.0
Capacitance conductor to conductor (pF/m)	39.3
Capacitance cond. To other cond.+screen (pF/m)	85.2
Nom. Inductance ( $\mu$ H/m)	0.59
Nom. Velocity of Propagation (%)	76
Max. Recommended Current at 25°C (Amps)	2.75
Max. Operating Voltage (Vrms)	300

#### Nominal Attenuation in dB/100m

MHz	0.384	0.706	0.768	1.024	1.411	1.536	2.048	2.822
Attenuation	1.51	2.10	2.30	2.72	3.41	3.57	4.26	5.44
MHz	3.072	4.096	5.645	6.144	8.192	11.29	12.288	24.576
Attenuation	5.74	7.31	9.48	10.07	12.16	14.85	15.67	23.31

#### Reference Standards

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