

Digital Audio Cables

1 Pair, 24AWG to 22AWG, Screened, PVC Sheath

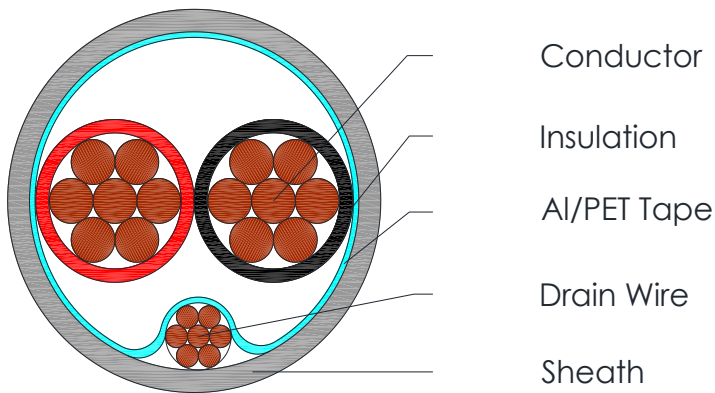


C14009, C14027

Applications

Digital audio, Interconnect between audio equipment such as microphones, speakers, amplifiers, mixing consoles.

Cross Section Drawing



Design

Unit	Properties
Conductor	Tinned Copper Wires, Flexible
Insulation	Foamed High Density Polyethylene 24AWG Pair 1: Red + Black 22AWG Pair 1: White + Black
Screen	Al/PET Tape
Drain Wire	Bare Copper wire
Braiding (if applicable)	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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Physical Characteristics

Part Number	C14009	C14027
Number of pairs	1	1
Conductor size (AWG)	24(7 x 32)	22(7 x 30)
Nom. Diameter Conductor (mm)	0.56	0.69
Nom. Diameter Insulation (mm)	1.70	2.1
Drain wire size (AWG)	24(7 x 32)	
Braiding Coverage (%)	-	90
Nom. Overall Diameter (mm)	4.70	6.00
Operating Temperature (°C)	-30 / +60	
Max. Recommended Pulling Tension (N)	75	77
Min. Bend Radius (install) (mm)	47	60
Nominal Weight (kg/km)	24	46

Electrical Characteristics (at 20°C)

Part Number	C14009	C14027
No of pairs	1	1
Nominal Characteristic Impedance (Ω)	110	
Nom. DC Resistance Conductor (Ω /km)	77.7	58.4
Capacitance conductor to conductor (pF/m)	39	43
Capacitance cond. To other cond.+screen (pF/m)	85	85
Nom. Velocity of Propagation (%)	76	
Max. Recommended Current at 25°C (Amps)	2.75	3.8
Max. Operating Voltage (Vrms)	300	

Reference Standards

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