



REPRESENTATIVE IMAGE

Product: [1801B](#)

Digital Audio Cable, 1 Pr #24 Str TC, O/A Foil, Flamarrest® Jkt, CMP

Product Description

Digital Audio Cable, 1 Pair, 24 AWG (7 x 32) Tinned Copper, FEP Insulation, Overall Beldfoil® Shield, Flamarrest® Jacket, CMP

Technical Specifications

Product Overview

Suitable Applications:	Digital audio, Interconnect between audio equipment such as microphones, speakers, amplifiers, mixing consoles
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Construction Details

Conductor

Element	Number of Element	AWG	Stranding	Material
Pair(s)	1	24	7x32	TC - Tinned Copper

Insulation

Element	Material	Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	FEP - Fluorinated Ethylene Propylene (Foam)	0.021 in (0.53 mm)	0.066 in (1.7 mm)	Red & Black

Outer Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	24 AWG (7x32) TC

Outer Jacket

Material	Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.015 in (0.38 mm)	0.165 in

Cable Diameter (Nominal):	0.165 in (4.19 mm)
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Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Characteristic Impedance	Nom. Velocity of Prop.	Max. Current
Pair(s)	23.7 Ohm/1000ft (77.8 Ohm/km)	12 pF/ft (39 pF/m)	26 pF/ft (85 pF/m)	110 Ohm	78%	2.75 Amps per conductor @ 25°C

Voltage

UL Voltage Rating
300 V (CMP)

Mechanical Characteristics

Temperature

UL Rating	Operating
75°C	-20°C to +75°C

Bend Radius

Stationary Min.	Installation Min.
1.7 in (43 mm)	1.7 in (43 mm)

Max. Pull Tension:	16.5 lbs (7.48 kg)
Bulk Cable Weight:	12 lbs/1000ft (18 kg/km)

Standards and Compliance

Environmental Suitability:	Indoor - Plenum, Indoor
Flammability / Fire Resistance:	NFPA 262, FT6, IEC 60332-1-2
NEC / UL Compliance:	Article 800, CMP
CEC / C(UL) Compliance:	CMP
CPR Euroclass:	Eca
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Other Standard Compliance(s):	AES/EBU
Non-Plenum Number:	1800B

History

Update and Revision:	Revision Number: 0.347 Revision Date: 07-02-2021
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