



Product: [1816R](#)

Audio Snake Cable, 6 Pr #22 Str TC, Ind. Shielded & Jacketed, O/A Foil, PVC Jkt, CMR

Product Description

Audio Snake Cable, 6 Pair 22 AWG (7 x 30) Tinned Copper, PP Insulation, Individually Foil Shielded and PVC Jacketed, Overall Beldfoil® Shield, PVC Jacket, Ripcord, CMR

Technical Specifications

Product Overview

Suitable Applications:	Multi-channel interconnect between audio equipment such as microphones, speakers, amplifiers, mixing consoles; Live events or studio sound; Analog audio
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Construction Details

Conductor

Element	Number of Element	Size	Stranding	Material
Pair(s)	6	22 AWG	7x30	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	PP - Polypropylene	0.010 in (0.25 mm)	0.05 in (1.3 mm)	Black, Red

Inner Shield

Element	Shield Type	Material	Coverage	Drainwire Type	Notes
Pair(s)	Tape	Bi-Laminate (Alum+Poly)	100%	22 AWG (7x30) TC	Individual pair tapes are adhered to their inner jackets for easy stripping

Outer Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	18 AWG (19x30) TC

Inner Jacket

Element	Material	Nom. Diameter
Pair(s)	PVC - Polyvinyl Chloride	0.133 in (3.38 mm)

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.030 in (0.76 mm)	0.462 in (11.7 mm)	Yes

Overall Cable Diameter (Nominal):	0.462 in (11.7 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 Impedence	Nom. Velocity of Prop.	Max. Current
Pair(s)	14.8 Ohm/1000ft (48.6 Ohm/km)	31 pF/ft (100 pF/m)	56 pF/ft (180 pF/m)	50 Ohm	66%	2.0 Amps per conductor @ 25°C

Voltage

UL Voltage Rating
300 V (CMR)

Mechanical Characteristics

Temperature

UL Temperature	Operating
60°C	-30°C to +60°C

Bend Radius

Stationary Min.	Installation Min.
4.6 in (120 mm)	4.6 in (120 mm)

Max. Pull Tension:	131 lbs (59.4 kg)
Bulk Cable Weight:	120 lbs/1000ft (180 kg/km)

Standards and Compliance

Environmental Suitability:	Indoor - Riser, Indoor, Aerial - Black only, When supported by messenger wire
Flammability / Reaction to Fire:	UL1666 Riser, IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca
NEC / UL Compliance:	Article 800, CMR
CEC / C(UL) Compliance:	CMR
European Directive Compliance:	EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
UK Regulation Compliance:	UKCA Mark
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Plenum Number:	1816P

History

Update and Revision:	Revision Number: 0.390 Revision Date: 12-19-2022
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Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC
1816R 010500	Black	Reel	500 ft	612825123552
1816R 0101000	Black	Reel	1,000 ft	612825123545
1816R 0102000	Black	Reel	2,000 ft	612825438281
1816R 0104000	Black	Reel	4,000 ft	612825438298
1816R 0105000	Black	Reel	5,000 ft	612825438182

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