



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	No. of Elements	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, Outdoor - Black only, 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: 0.393 Revision Date: 02-03-2025
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Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
1816R 010500	Black	Reel	500 ft	612825123552	C
1816R 0101000	Black	Reel	1,000 ft	612825123545	C
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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