



Product: [1816R](#)

Audio Snake Cable, 6pr 22 AWG, TC, Indiv. Shielded, CMR

Product Description

Audio Snake Cable, 6 pair 22 AWG tinned copper, polyolefin insulation, individually shielded with Beldfoil® bonded to numbered/color-coded PVC jackets so both strip simultaneously, PVC jacket, CMR rated.

Technical Specifications

Product Overview

Suitable Applications:	Analog audio
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Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Pairs
22	7x30	TC - Tinned Copper	0.029 in	6

Conductor Count:	12
Total Number of Pairs:	6

Insulation

Material	Nominal Diameter
PP - Polypropylene	0.05 in

Color Chart

Number	Color
1	Brown
2	Red
3	Orange
4	Yellow
5	Green
6	Blue
Pairs	Red & Blk

Inner Shield Material

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire Diameter	Drainwire AWG	Drainwire Construction n x D	Drainwire Position
Tape	Alum / Poly	Beldfoil®	100 %	TC - Tinned Copper	0.030 in	22	7x30	Under inner shield tape

Inner Jacket Material

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.133 in

Outer Shield Material

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire Diameter	Drainwire AWG	Drainwire Construction n x D	Drainwire Position
Tape	Alum / Poly	Beldfoil®	100 %	TC - Tinned Copper	0.048 in	18	19x30	Under outer shield tape

Outer Jacket Material

Material	Nominal Diameter	Ripcord
PVC - Polyvinyl Chloride	0.462 in	Yes

Electrical Characteristics

Conductor DCR

Individual Pair Nominal Shield DCR	Nominal Conductor DCR	Nominal Outer Shield DCR
14.1 Ohm/1000ft	14.8 Ohm/1000ft	11.8 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
31 pF/ft	56 pF/ft

Inductance

Nominal Inductance
0.18 μ H/ft

Current

Max. Recommended Current [A]
2 Amps per conductor @ 25°C

Voltage

UL Voltage Rating
300 V RMS

Temperature Range

Operating Temp Range:	-30°C To +60°C
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Mechanical Characteristics

Bulk Cable Weight:	120 lbs/1000ft
Max Recommended Pulling Tension:	131 lbs
Min Bend Radius/Minor Axis:	4.6 in

Standards

NEC/(UL) Specification:	CMR
CPR Euroclass:	Eca

Applicable Environmental and Other Programs

Environmental Space:	Indoor - Riser
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/11/EC (BFR):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU RoHS Compliance Date (yyyy-mm-dd):	2004-01-01
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Aerial:	Yes - Black only, when supported by messenger wire
Suitability - Burial:	No
Suitability - Hazardous Locations:	No
Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes - Black only

Flammability, LS0H, Toxicity Testing

UL Flammability:	UL1666 Riser
ISO/IEC Flammability:	IEC 60332-1-2
UL voltage rating:	300 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	No
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Part Number

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

Footnote:

C - CRATE REEL PUT-UP.

Product Notes

Notes:

Pair jackets and shields are bonded so both strip simultaneously with automatic stripping equipment. Beldfoil® provides high reliability with ease of termination. Ripcord under overall jacket.

History

Update and Revision:

Revision Number: 0.315 Revision Date: 04-28-2020

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