



**Product:** [1513C](#)

Audio Snake Cable, 12 pr #24 Str TC, Ind. Shielded & Jacketed, O/A Foil, PVC Jkt, Ripcord, CM, Flexible

**Product Description**

Audio Snake Cable, 12 Pair 24 AWG (7 x 32) Tinned Copper, PP Insulation, Individually Foil Shielded and PVC Jacketed, Overall Beldfoil® Shield, PVC jacket, Ripcord, CM, Flexible

**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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**Physical Characteristics (Overall)**

**Conductor**

Element	AWG	Stranding	Material	Nominal Diameter	No. of Pairs
Pair(s)	24	7x32	TC - Tinned Copper	0.024 in	12

Conductor Count:	24
Total Number of Pairs:	12

**Insulation**

Element	Material	Nominal Diameter	Nominal Wall Thickness
Pair(s)	PP - Polypropylene	0.04 in	0.008 in

**Color Chart**

Number	Color
1	Black & Red
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	

**Inner Shield Material**

Element	Type	Material	Material Trade Name	Coverage [%]	Drainwire AWG	Drainwire Construction n x D
Pair(s)	Tape	Alum / Poly	Beldfoil®	100%	24	7x32

**Inner Jacket Material**

Element	Material	Nominal Diameter	Nominal Wall Thickness
Pair(s)	PVC - Polyvinyl Chloride	0.113 in	0.015 in

Table Notes:	Inner jackets are numbered and are colored: Brown, Red, Orange, Yellow, Green, Blue, Purple, Gray, White, Black, Tan, Pink
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**Outer Shield Material**

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Alum / Poly	Beldfoil®	100%	TC - Tinned Copper	18	7x26

#### Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
PVC - Polyvinyl Chloride	0.561 in	0.045 in	Yes

## Electrical Characteristics

#### Conductor DCR

Individual Pair Nominal Shield DCR	Nominal Conductor DCR
15.9 Ohm/1000ft	23.3 Ohm/1000ft

#### Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
31 pF/ft	58 pF/ft

#### Inductance

Nominal Inductance
0.18 µH/ft

#### Impedance

Nominal Characteristic Impedance
50 Ohm

#### Delay

Nominal Velocity of Propagation (VP) [%]
66%

#### Current

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

#### Voltage

UL Description	UL Voltage Rating
CM	300 V

## Temperature Range

Operating Temp Range:	-35°C to +75°C
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## Mechanical Characteristics

Bulk Cable Weight:	162 lbs/1000ft
Max. Pull Tension:	220.4 lbs
Min Bend Radius During Installation:	5.6 in
Min Bend Radius/Minor Axis:	5.75 in

## Standards

NEC Articles:	Article 800
NEC/(UL) Compliance:	CM
CEC/C(UL) Compliance:	CM
CPR Euroclass:	Eca

## Applicable Environmental and Other Programs

Environmental Space:	Indoor (Not Riser or Plenum)
EU Directive 2000/53/EC (ELV):	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 CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2004-01-01
MII Order #39 (China RoHS):	Yes

## Suitability

Suitability - Indoor:	Yes
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## Flammability, LSOH, Toxicity Testing

IEC Flammability:	IEC 60332-1-2
UL voltage rating:	300 V

## Plenum/Non-Plenum

Plenum (Y/N):	No
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## Part Number

### Variants

Item #	Color	Putup Type	Length	UPC
1513C B59500	Black, Matte	Reel	500 ft	612825116851
1513C B591000	Black, Matte	Reel	1,000 ft	612825116844
1513C B595000	Black, Matte	Reel	5,000 ft	612825431237

Footnote:	C - CRATE REEL PUT-UP.
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## History

Update and Revision:	Revision Number: 0.316 Revision Date: 07-31-2020
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