



**Part Number: 1513C**

Audio Snake Cable, #24-12pr, TC, Individ. Shielded, CM

**Product Description**

Audio Snake Cable, CM-Rated, 12-24 AWG tinned copper pairs, polyolefin insulation, individually shielded with Beldfoil® bonded to numbered/color-coded PVC jackets so both strip simultaneously, overall Beldfoil® shield, drain, flexible PVC jacket

**Technical Specifications**

**Product Overview**

Environmental Space:	Indoor (Not Riser or Plenum)
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**Physical Characteristics (Overall)**

**Conductor**

AWG	Stranding	Material	Nominal Diameter	No. of Pairs
24	7x32	TC - Tinned Copper	0.024 in	12

Conductor Count:	24
Total Number of Pairs:	12

**Insulation**

Material	Nominal Diameter	Nominal Wall Thickness
PO - Polyolefin	0.04 in	0.007 in

**Color Chart**

Number	Color
1	Brown
2	Red
3	Orange
4	Yellow
5	Green
6	Blue
7	Purple
8	Gray
9	White
10	Black
11	Tan
12	Pink

**Inner Shield Material**

Type	Material	Material Trade Name	Coverage [%]	Drainwire AWG	Drainwire Construction n x D
Tape	Aluminum Foil-Polyester Tape	Beldfoil®	100 %	24	7x32 mm
				TC - Tinned Copper	

**Inner Jacket Material**

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.113 in	0.015 in

**Outer Shield Material**

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
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Tape	Aluminum Foil-Polyester Tape	Beldfoil®	100 %	TC - Tinned Copper	18	7x26 mm
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## 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 Voltage Rating
300V RMS

## Temperature Range

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

Bulk Cable Weight:	162 lbs/1000ft
Max Recommended Pulling Tension:	220.4 lbs
Min Bend Radius/Minor Axis:	5.75 in

## Standards

NEC/(UL) Specification:	CM
CEC/C(UL) Specification:	CM
CPR Euroclass:	Eca

## Applicable Environmental and Other Programs

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
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

### Suitability

Suitability - Aerial:	No
Suitability - Burial:	No
Suitability - Hazardous Locations:	No
Suitability - Indoor:	Yes
Suitability - Outdoor:	No
Suitability - Sunlight Resistance:	No

### Part Number

Plenum (Y/N):	No
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### Variants

Item #	Color
1513C B591000	BLACK, MATTE
1513C B59500	BLACK, MATTE

### Product Notes

Notes:	Jacket and shield are bonded so both can be removed with automatic stripping equipment. Beldfoil« provides high reliability with ease of termination.
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