



Product: [9451](#) 

Audio Cable, 1 Pair 22 AWG TC, Shielded, Riser

Product Description

Audio Cable, 1 Pair 22 AWG stranded (7x30) tinned copper pair, polypropylene insulation, Beldfoil® shield, drain, Riser, PVC jacket.

Technical Specifications

Product Overview

Environmental Space:	Indoor - Riser
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Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Pairs
22	7x30	TC - Tinned Copper	1

Conductor Count:	2
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Insulation

Material	Nominal Diameter	Nominal Wall Thickness
PP - Polypropylene	0.046 in	0.008 in

Color Chart

Number	Color
1	Black & Red

Outer Shield Material

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Aluminum/Polyester	Beldfoil®	100 %	TC - Tinned Copper	22	7x30 mm

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.135 in	0.02 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
14.1 Ohm/1000ft	14.3 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
35 pF/ft	67 pF/ft

Inductance

Nominal Inductance
0.17 µH/ft

Impedance

Nominal Characteristic Impedance

45 Ohm

Delay

Nominal Delay	Nominal Velocity of Propagation (VP) [%]
1.54 ns/ft	66 %

Current

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

Voltage

UL Voltage Rating
300 V RMS

Temperature Range

UL Temp Rating:	60°C
Operating Temp Range:	-20°C To +75°C

Mechanical Characteristics

Bulk Cable Weight:	14 lbs/1000ft
Max Recommended Pulling Tension:	27 lbs
Min Bend Radius/Minor Axis:	1.5 in

Standards

NEC/(UL) Specification:	CMR
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 2015/863/EU:	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:	Yes - When supported by messenger wire
Suitability - Burial:	No
Suitability - Hazardous Locations:	No
Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes - Black only
Suitability - Sunlight Resistance:	No

Flammability, LS0H, Toxicity Testing

UL Flammability:	UL1666 Vertical Shaft
CSA Flammability:	FT4
ISO/IEC Flammability:	IEC 60332-1-2
UL voltage rating:	300 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	9451P

Part Number

Variants

Item #	Color	UPC	Length	Footnote
9451 0101000	Black	612825252795	1,000 ft	
9451 0105000	Black	612825252764	5,000 ft	C N
9451 010U1000	Black	612825425205	1,000 ft	
9451 010N1000	Black	612825252771	1,000 ft	
9451 010Z1000	Black	612825252535	1,000 ft	
9451 0065000	Blue, Light	612825252641	5,000 ft	C N
9451 006U1000	Blue, Light	612825425168	1,000 ft	
9451 006Z1000	Blue, Light	612825252672	1,000 ft	
9451 0015000	Brown	612825252542	5,000 ft	C N
9451 001U1000	Brown	612825425120	1,000 ft	
9451 001Z1000	Brown	612825252580	1,000 ft	
9451 008500	Gray	612825252733	500 ft	
9451 0085000	Gray	612825252689	5,000 ft	C N
9451 008T1000	Gray	612825252702	1,000 ft	
9451 008U1000	Gray	612825252719	1,000 ft	
9451 008U500	Gray	612825425182	500 ft	
9451 008N1000	Gray	612825252696	1,000 ft	
9451 0081000	Gray		1,000 ft	
9451 008Z1000	Gray	612825252757	1,000 ft	
9451 N3U5000	Green, Mil	612825252528	5,000 ft	C N
9451 N3UU1000	Green, Mil	612825425113	1,000 ft	
9451 N3UZ1000	Mil Green	612825438175	1,000 ft	
9451 0035000	Orange	612825252597	5,000 ft	C N
9451 003U1000	Orange	612825425144	1,000 ft	
9451 003Z1000	Orange	612825252634	1,000 ft	
9451 0025000	Red	612825252566	5,000 ft	C N
9451 002U1000	Red	612825425137	1,000 ft	
9451 002N1000	Red	612825252573	1,000 ft	
9451 002Z1000	Red	612825252603	1,000 ft	
9451 0075000	Violet	612825252665	5,000 ft	C N
9451 007U1000	Violet	612825425175	1,000 ft	
9451 007Z1000	Violet	612825252726	1,000 ft	
9451 0095000	White	612825252740	5,000 ft	C N
9451 009U1000	White	612825425199	1,000 ft	
9451 009Z1000	White	612825252788	1,000 ft	
9451 0045000	Yellow	612825252610	5,000 ft	C N
9451 004U1000	Yellow	612825425151	1,000 ft	
9451 004N1000	Yellow	612825252627	1,000 ft	
9451 004Z1000	Yellow	612825252658	1,000 ft	

Footnote: C - CRATE REEL PUT-UP.

Footnote: N - FINAL PUT-UP LENGTH MAY VARY -0% TO +10% FROM LENGTH SHOWN.

Product Notes

Notes: The jacket and shield are bonded so both can be removed on automatic stripping equipment. Drain wire is inside foil shield. For cross-connect use with 1814R (et. al.) Snake Cables.

History

Update and Revision: Revision Number: 0.305 Revision Date: 08-22-2019

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