



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

Physical Characteristics (Overall)

Conductor

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

Conductor Count: 2

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	Alum / Poly	Beldfoil®	100 %	TC - Tinned Copper	22	7x30

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

Environmental Space:	Indoor - Riser
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
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, LSOH, 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	Putup Type	Length	UPC
9451 0101000	Black	Reel	1,000 ft	612825252795

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

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: 0.310 Revision Date: 04-08-2020

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