



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

Suitable Applications:	Automatic Stripping Equipment; Low Voltage analog Signals (4-20mA, 0-10V, ...); Low Voltage Digital Control (24V, ...); Line Level audio; Computer Communication; Panel Wiring
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#### Construction Details

##### Conductor

Element	Number of Element	Size	Stranding	Material
Pair(s)	1	22 AWG	7x30	TC - Tinned Copper

##### Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	PP - Polypropylene	0.009 in (0.23 mm)	0.046 in (1.2 mm)	Black & Red

##### Outer Shield

Shield Type	Material	Coverage	Drainwire Type	Notes
Tape	Bi-Laminate (Alum+Poly)	100%	22 AWG (7x30) TC	Jacket and shield are bonded so both can be removed on automatic stripping equipment. Drain wire is inside foil shield.

##### Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.020 in (0.51 mm)	0.135 in (3.43 mm)

Overall Cable Diameter (Nominal): 0.135 in (3.43 mm)

#### Electrical Characteristics

##### Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Characteristic Impedance	Nom. Velocity of Prop.	Max. Current
Pair(s)	14.1 Ohm/1000ft	35 pF/ft (110 pF/m)	67 pF/ft (220 pF/m)	45 Ohm	66%	2.9 Amps per Conductor at 25°C

##### Voltage

UL Voltage Rating
300 V (CMR)

#### Mechanical Characteristics

##### Temperature

UL Temperature	Operating
60°C	-20°C to +75°C

##### Bend Radius

Stationary Min.	Installation Min.

1.4 in (36 mm) | 1.4 in (36 mm)

Max. Pull Tension: 27 lbs (12 kg)

Bulk Cable Weight: 14 lbs/1000ft

## Standards and Compliance

Environmental Suitability: Indoor - Riser, Indoor, Aerial - When supported by messenger wire

Sustainability: CA Prop 65

Flammability / Reaction to Fire: UL 1666 Riser, IEEE 1202 FT4, IEC 60332-1-2

CPR Compliance: CPR Euroclass: Eca; CPR UKCA Class: Eca

NEC / UL Compliance: Article 800, CMR

CEC / C(UL) Compliance: CMR

European Directive Compliance: EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)

UK Regulation Compliance: UKCA Mark

APAC Compliance: China RoHS II (GB/T 26572-2011)

Plenum Number: 9451P

## Product Notes

Notes: For cross-connect, use with 1814R (et. al.) Snake Cables.

## History

Update and Revision: Revision Number: 0.533 Revision Date: 03-04-2023

## Part Numbers

### Variants

Item #	Color	Putup Type	Length	UPC
9451 0101000	Black	Reel	1,000 ft	612825252795
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 0105000	Black	Reel	5,000 ft	612825252764
9451 006U1000	Blue, Light	UnReel	1,000 ft	612825425168
9451 006Z1000	Blue, Light	ReelTuff Box	1,000 ft	612825252672
9451 0065000	Blue, Light	Reel	5,000 ft	612825252641
9451 001U1000	Brown	UnReel	1,000 ft	612825425120
9451 001Z1000	Brown	ReelTuff Box	1,000 ft	612825252580
9451 0015000	Brown	Reel	5,000 ft	612825252542
9451 008500	Gray	Reel	500 ft	612825252733
9451 008U500	Gray	UnReel	500 ft	612825425182
9451 008T1000	Gray	Reel	1,000 ft	612825252702
9451 008U1000	Gray	UnReel	1,000 ft	612825252719
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 0085000	Gray	Reel	5,000 ft	612825252689
9451 N3UU1000	Green, Mil	UnReel	1,000 ft	612825425113
9451 N3U5000	Green, Mil	Reel	5,000 ft	612825252528
9451 N3UZ1000	Mil Green	ReelTuff Box	1,000 ft	612825438175
9451 003U1000	Orange	UnReel	1,000 ft	612825425144
9451 003Z1000	Orange	ReelTuff Box	1,000 ft	612825252634
9451 0035000	Orange	Reel	5,000 ft	612825252597
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 0025000	Red	Reel	5,000 ft	612825252566
9451 007U1000	Violet	UnReel	1,000 ft	612825425175
9451 007Z1000	Violet	ReelTuff Box	1,000 ft	612825252726
9451 0075000	Violet	Reel	5,000 ft	612825252665
9451 009U1000	White	UnReel	1,000 ft	612825425199
9451 009Z1000	White	ReelTuff Box	1,000 ft	612825252788

9451 0095000	White	Reel	5,000 ft	612825252740
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
9451 0045000	Yellow	Reel	5,000 ft	612825252610

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