



Part Number: 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
----------------------	----------------

Physical Characteristics (Overall)

Conductor

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

Conductor Count:	2
------------------	---

Conductor Size:	22 AWG
-----------------	--------

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, LSOH, Toxicity Testing

UL Flammability: UL1666 Vertical Shaft

CSA Flammability: FT4

UL voltage rating: 300 V RMS

Plenum/Non-Plenum

Plenum (Y/N): No

Plenum Number: 9451P

Part Number**Variants**

Item #	Color	Footnote
9451 0101000	Black	
9451 0105000	Black	C N
9451 010U1000	Black	
9451 010N1000	Black	
9451 010Z1000	Black	
9451 010Z1000	Black	
9451 0065000	Blue, Light	C N
9451 006U1000	Blue, Light	
9451 006Z1000	Blue, Light	
9451 006Z1000	Blue, Light	
9451 0015000	Brown	C N
9451 001U1000	Brown	
9451 001Z1000	Brown	
9451 001Z1000	Brown	
9451 008500	Gray	
9451 0085000	Gray	C N
9451 008T1000	Gray	
9451 008U1000	Gray	
9451 008U500	Gray	
9451 008N1000	Gray	
9451 0081000	Gray	
9451 0081000	Gray	
9451 008Z1000	Gray	
9451 008Z1000	Gray	
9451 N3U5000	Green, Mil	C N
9451 N3UU1000	Green, Mil	
9451 N3UZ1000	Mil Green	
9451 N3UZ1000	Mil Green	
9451 0035000	Orange	C N
9451 003U1000	Orange	
9451 003Z1000	Orange	
9451 003Z1000	Orange	
9451 0025000	Red	C N
9451 002U1000	Red	
9451 002N1000	Red	
9451 002Z1000	Red	
9451 002Z1000	Red	
9451 0075000	Violet	C N
9451 007U1000	Violet	
9451 007Z1000	Violet	
9451 007Z1000	Violet	
9451 0095000	White	C N
9451 009U1000	White	
9451 009Z1000	White	
9451 009Z1000	White	
9451 0045000	Yellow	C N
9451 004U1000	Yellow	
9451 004N1000	Yellow	
9451 004Z1000	Yellow	
9451 004Z1000	Yellow	

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.
--------	--

© 2019 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.