



**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
------------------------	--

### Construction Details

#### Conductor

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

#### Insulation

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

#### Outer Shield Material

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

Material	Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.020 in	0.135 in

Cable Diameter (Nominal): 0.135 in

### Electrical Characteristics

#### Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Characteristic Impedance	Nom. Velocity of Prop.	Max. Current
Pair(s)	14.1 Ohm/1000ft	35 pF/ft	67 pF/ft	45 Ohm	66%	2.9 Amps per Conductor at 25°C
Nom Outer Shield DCR:		14.3 Ohm/1000ft				

#### Voltage

UL Voltage Rating
300 V (CMR)

### Mechanical Characteristics

#### Temperature

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

#### Bend Radius

Stationary Min.	Installation Min.
1.5 in	1.4 in

Max. Pull Tension:	27 lbs
Bulk Cable Weight:	14 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor - Riser, Indoor
Sustainability:	CA Prop 65
Flammability / Fire Resistance:	UL1666 Vertical Shaft, FT4, IEC 60332-1-2
NEC / UL Compliance:	Article 800, CMR
CPR Euroclass:	Eca
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU, EU Directive 2011/65/EU (ROHS II), EU Directive 2012/19/EU (WEEE)
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: 0.373 Revision Date: 09-30-2020
----------------------	--

© 2020 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.

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

## Belden Wire & Cable:

[9451 010U1000](#) [9451 0105000](#) [9451 006U1000](#) [9451 0065000](#) [9451 001U1000](#) [9451 0015000](#) [9451 N3UU1000](#)  
[9451 N3U5000](#) [9451 008T1000](#) [9451 008U1000](#) [9451 008U500](#) [9451 0085000](#) [9451 003U1000](#) [9451 0035000](#)  
[9451 002U1000](#) [9451 0025000](#) [9451 007U1000](#) [9451 0075000](#) [9451 009U1000](#) [9451 0095000](#) [9451 004U1000](#)  
[9451 0045000](#)