Belden



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	No. of Elements	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)

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Characteristic Impedence	Nom. Delay	Nom. Inductance	Nom. Velocity of Prop.	Max. Current
Pair(s)	14.1 Ohm/1000ft (46.3 Ohm/km)	35 pF/ft (110 pF/m)	67 pF/ft (220 pF/m)	45 Ohm	1.54 ns/ft	0.17 µH/ft (0.56 µH/m)	66%	2.9 Amps per Conductor at 25ºC

Nom Outer Shield DCR:	14.3 Ohm/1000ft (46.9 Ohm/km)

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 (21 kg/km)

Standards and Compliance

Environmental Suitability:	Indoor - Riser, Indoor
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: 0.688 Revision Date: 02-20-2026

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
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	C N
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	C N
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 008U500	Gray	UnReel	500 ft	612825425182	
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	C N
9451 N3UU1000	Green, Mil	UnReel	1,000 ft	612825425113	
9451 003U1000	Orange	UnReel	1,000 ft	612825425144	
9451 0035000	Orange	Reel	5,000 ft	612825252597	C N
9451 002U1000	Red	UnReel	1,000 ft	612825425137	
9451 007U1000	Violet	UnReel	1,000 ft	612825425175	
9451 007Z1000	Violet	ReelTuff Box	1,000 ft	612825252726	
9451 009U1000	White	UnReel	1,000 ft	612825425199	
9451 009Z1000	White	ReelTuff Box	1,000 ft	612825252788	
9451 004U1000	Yellow	UnReel	1,000 ft	612825425151	
9451 004N1000	Yellow	Reel w/Small Barrel	1,000 ft	612825252627	

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

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