



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
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Physical Characteristics (Overall)

Conductor

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

Conductor Count:	2
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Conductor Size:	22 AWG
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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.

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