

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, LS0H, 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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