



**Part Number: 9451P**

Audio Cable, #22-2c, TC, O/A Foil, CMP

## Product Description

Audio Cable, Plenum-CMP, 1-22 AWG stranded tinned copper pair, FEP insulation, Beldfoil® shield, drain, Flamarrest® jacket

## Technical Specifications

### Product Overview

Environmental Space:	Indoor - Plenum
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### Physical Characteristics (Overall)

#### Conductor

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

Conductor Count:	2
Total Number of Pairs:	2
Conductor Size:	22 AWG

#### Insulation

Material	Nominal Diameter	Nominal Wall Thickness
FEP - Fluorinated Ethylene Propylene	0.044 in	0.007 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 Foil-Polyester Tape	Beldfoil®	100 %	TC - Tinned Copper	22	7x30 mm

#### Outer Jacket Material

Material	Material Trade Name	Nominal Diameter
LS PVC - Low Smoke Polyvinyl Chloride	Flamarrest®	0.127 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

Shielding:	Foil(s) or Copper Tape(s)
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#### Inductance

Nominal Inductance
0.15 µH/ft

#### Delay

Nominal Delay	Nominal Velocity of Propagation (VP) [%]
1.47 ns/ft	69 %

#### Current

Max. Recommended Current [A]
2.9 Amps per conductor @ 25°C

#### Voltage

UL Voltage Rating
300V 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:	1.25 in

#### Standards

NEC/(UL) Specification:	CMP
CEC/C(UL) Specification:	CMP
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 Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2005-04-01
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

#### Suitability

Suitability - Aerial:	No
Suitability - Burial:	No
Suitability - Hazardous Locations:	No
Suitability - Indoor:	Yes
Suitability - Outdoor:	No
Suitability - Sunlight Resistance:	No

#### Flammability, LS0H, Toxicity Testing

UL Flammability:	NFPA 262
CSA Flammability:	FT6
UL Voltage Rating:	300 V RMS

#### Plenum/Non-Plenum

Plenum (Y/N):	Yes
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#### Part Number

Non-Plenum Number:	9451
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#### Variants

Item #	Color	Footnote
9451P 0101000	BLACK	
9451P 0105000	BLACK	C
9451P 010U1000	BLACK	

9451P 010500	BLACK	
9451P 010500	BLACK	
9451P 006U1000	BLUE, LIGHT	
9451P 0015000	BROWN	C
9451P 001U1000	BROWN	
9451P 0085000	GRAY	C
9451P 008U1000	GRAY	
9451P N3U5000	GREEN, MIL	C
9451P N3UU1000	GREEN, MIL	
9451P 0035000	ORANGE	C
9451P 003U1000	ORANGE	
9451P 0025000	RED	C
9451P 002U1000	RED	
9451P 0075000	VIOLET	C
9451P 007U1000	VIOLET	
9451P 0095000	WHITE	C
9451P 009U1000	WHITE	
9451P 0045000	YELLOW	C
9451P 004U1000	YELLOW	
9451P 0065000	YELLOW	C

Footnote:	C - CRATE REEL PUT-UP.
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