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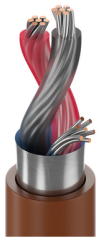

Product: 9451P

Line Level Audio Cable, 1 Pr #22 Str TC, O/A Foil, Flamarrest® Jkt, CMP

Product Description

Line Level Audio Cable, 1 Pair 22 AWG (7 x 30) Tinned Copper, FEP insulation, Overall Beldfoil® Shield, Flamarrest® Jacket, CMP

Technical Specifications

Product Overview

Suitable Applications:	Line level audio; Low voltage analog signals and control

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)	FEP - Fluorinated Ethylene Propylene	0.008 in (0.20 mm)	0.044 in (1.1 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	0.017 in (0.43 mm)	0.127 in (3.23 mm)

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Delay	Nom. Inductance	Nom. Velocity of Prop.	Max. Current
Pair(s)	18.2 Ohm/1000ft (59.7 Ohm/km)	35 pF/ft (110 pF/m)	67 pF/ft (220 pF/m)	1.47 ns/ft	0.15 µH/ft (0.49 µH/m)	69%	4.4 Amps per conductor @ 25°C

Nom Outer Shield DCR:	13.93 Ohm/1000ft (45.70 Ohm/km)

Voltage

UL Voltage Rating
300 V (CMP)

Mechanical Characteristics

Temperature

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

Bend Radius

Stationary Min.	Installation Min.
1.3 in (33 mm)	1.3 in (33 mm)

Max. Pull Tension:	27 lbs (12 kg)
Bulk Cable Weight:	14 lbs/1000ft (21 kg/km)

Standards and Compliance

Environmental Suitability:	Indoor - Plenum, Indoor
Flammability / Reaction to Fire:	NFPA 262 (UL910), FT6, IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca
NEC / UL Compliance:	Article 800, CMP
CEC / C(UL) Compliance:	CMP
European Directive Compliance:	EU CE Mark, 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)
Non-Plenum Number:	9451

History

Update and Revision:	Revision Number: 0.678 Revision Date: 12-18-2025

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
9451P 010Z250	Black	ReelTuff Box	250 ft	612825435273	
9451P 010500	Black	Reel	500 ft	612825253068	
9451P 010Z500	Black	ReelTuff Box	500 ft	612825252870	
9451P 0101000	Black	Reel	1,000 ft	612825352952	
9451P 010U1000	Black	UnReel	1,000 ft	612825435259	
9451P 010Z1000	Black	ReelTuff Box	1,000 ft	612825445340	
9451P 0105000	Black	Reel	5,000 ft	612825253044	C
9451P 006U1000	Blue, Light	UnReel	1,000 ft	612825435228	
9451P 006Z1000	Blue, Light	ReelTuff Box	1,000 ft	612825252993	
9451P 001U1000	Brown	UnReel	1,000 ft	612825435198	
9451P 001Z1000	Brown	ReelTuff Box	1,000 ft	612825252917	
9451P 0015000	Brown	Reel	5,000 ft	612825252887	C
9451P 008U1000	Gray	UnReel	1,000 ft	612825435235	
9451P 008Z1000	Gray	ReelTuff Box	1,000 ft	612825253037	
9451P 0085000	Gray	Reel	5,000 ft	612825253006	C
9451P N3UU1000	Green, Mil	UnReel	1,000 ft	612825435266	
9451P N3UZ1000	Green, Mil	ReelTuff Box	1,000 ft	612825253075	
9451P N3U5000	Green, Mil	Reel	5,000 ft	612825252863	C
9451P 003U1000	Orange	UnReel	1,000 ft	612825435204	
9451P 003Z1000	Orange	ReelTuff Box	1,000 ft	612825252955	
9451P 0035000	Orange	Reel	5,000 ft	612825252924	C
9451P 002U1000	Red	UnReel	1,000 ft	612825252931	
9451P 0025000	Red	Reel	5,000 ft	612825252900	C
9451P 007U1000	Violet	UnReel	1,000 ft	612825253013	
9451P 0075000	Violet	Reel	5,000 ft	612825252986	C
9451P 009U1000	White	UnReel	1,000 ft	612825435242	
9451P 009Z1000	White	ReelTuff Box	1,000 ft	612825253051	
9451P 0095000	White	Reel	5,000 ft	612825253020	C
9451P 004U1000	Yellow	UnReel	1,000 ft	612825435211	
9451P 004Z1000	Yellow	ReelTuff Box	1,000 ft	612825252979	
9451P 0045000	Yellow	Reel	5,000 ft	612825252948	C
9451P 0065000	Yellow	Reel	5,000 ft	612825252962	C

Footnote:	C - CRATE REEL PUT-UP.

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