



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 |
|-------------|-------------------------|----------|------------------|
| Tape | Bi-Laminate (Alum+Poly) | 100% | 22 AWG (7x30) TC |

Outer Jacket

| Material | Nom. Thickness | Nom. Diameter |
|--------------------------|--------------------|--------------------|
| PVC - Polyvinyl Chloride | 0.017 in (0.43 mm) | 0.127 in (3.23 mm) |

| | |
|-----------------------------------|---|
| Table Notes: | Jacket and shield are bonded so both can be removed on automatic stripping equipment. Drain wire is inside foil shield. |
| Overall Cable Diameter (Nominal): | 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. Velocity of Prop. | Max. Current |
|---------|--------------------|-------------------------------|---|------------------------|-------------------------------|
| Pair(s) | 18.2 Ohm/1000ft | 35 pF/ft (110 pF/m) | 67 pF/ft (220 pF/m) | 69% | 4.4 Amps per conductor @ 25°C |

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 |

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

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| Update and Revision: | Revision Number: 0.526 Revision Date: 02-03-2025 |
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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 |

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