

**Product: [9452](#)**

REPRESENTATIVE IMAGE

Microphone Cable, 2C #24 Str TC, Noise reducing tape, O/A Foil, PVC Jacket

**Product Description**

Microphone Cable, 2 Conductor 24 AWG (19 x 36) Tinned Copper (High conductivity), PE Insulation, Noise reducing tape, Overall Beldfoil® Shield, PVC Jacket

**Technical Specifications**
**Product Overview**

Suitable Applications:	Low frequency microphone or musical instruments; Balanced analog audio; Low Noise for high-EMI environments
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**Construction Details**
**Conductor**

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	2	24 AWG	19x36	TC - Tinned Copper (High Conductivity)

**Insulation**

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code	Notes
Conductor(s)	PE - Polyethylene	0.008 in (0.20 mm)	0.04 in (1.0 mm)	Black, Red	HDPE

**Outer Shield**

Shield Type	Material	Coverage	Drainwire Type
Tape	Textile (Conductive)	100%	24 AWG (19x36) TC
Tape	Bi-Laminate (Alum+Poly)	100%	

**Outer Jacket**

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.020 in (0.51 mm)	0.135 in (3.43 mm)

Overall Cable Diameter (Nominal): 0.135 in (3.43 mm)

**Electrical Characteristics**
**Electricals**

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Characteristic Impedance	Nom. Inductance	Max. Current
Conductor(s)	28.8 Ohm/1000ft	30 pF/ft (98 pF/m)	58 pF/ft (190 pF/m)	56 Ohm	0.18 $\mu$ H/ft (0.59 $\mu$ H/m)	2.8 Amps per conductor @ 25°C
Nom Outer Shield DCR:		18.38 Ohm/1000ft (60.30 Ohm/km)				

**Voltage**

UL Voltage Rating	Voltage Rating
200 V	200 V

**Mechanical Characteristics**
**Temperature**

Operating
-40°C to +75°C

**Bend Radius**

Stationary Min.	Installation Min.
1.6 in (41 mm)	1.6 in (41 mm)

Max. Pull Tension:	29 lbs (13 kg)
Bulk Cable Weight:	11 lbs/1000ft

## Standards and Compliance

Environmental Suitability:	Indoor (Not Riser or Plenum), Indoor
CPR Compliance:	CPR Euroclass: Eca
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), 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)

## History

Update and Revision:	Revision Number: 0.476 Revision Date: 09-07-2025
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## Part Numbers

### Variants

Item #	Color	Putup Type	Length	UPC
9452 010500	Black	Reel	500 ft	612825253174
9452 010U500	Black	UnReel	500 ft	612825254027
9452 0101000	Black	Reel	1,000 ft	612825253204
9452 010U1000	Black	UnReel	1,000 ft	612825253181

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