

Product: [9452](#) 

Microphone Cable, 1 Pair 24 AWG, TC



### Product Description

24 AWG stranded (19x36) HC TC conductors, high-density polyethylene insulation, twisted pair, noise reducing tape, Beldfoil® shield (100% coverage), 24 AWG stranded TC drain wire, PVC jacket.

### Technical Specifications

#### Physical Characteristics (Overall)

##### Conductor

Element	AWG	Stranding	Material	Nominal Diameter	No. of Conductors
Conductor(s)	24	19x36	High Conductivity Tinned Copper	0.024 in	2

Conductor Count:	2
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##### Insulation

Element	Material	Nominal Diameter	Nominal Wall Thickness
Conductor(s)	PE - Polyethylene	0.04 in	0.008 in

##### Color Chart

Color
Black
Red

##### Outer Shield Material

Type	Layer	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire Diameter	Drainwire AWG	Drainwire Construction n x D
Tape	1	Conductive Textile		100 %	TC - Tinned Copper	0.025 in	24	Stranded
Tape	2	Alum / Poly	Beldfoil®	100 %				

##### Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.135 in	0.020 in

#### Electrical Characteristics

##### Conductor DCR

Nominal Conductor DCR	Nominal Conductor DCR	Conductor Resistance	Nominal Outer Shield DCR
25 Ohm/1000ft	25 Ohm/1000ft		16.5 Ohm/1000ft

##### Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
30 pF/ft	58 pF/ft

##### Inductance

Nominal Inductance
0.18 µH/ft

##### Impedance

Nominal Characteristic Impedance

56 Ohm

#### Current

##### Max. Recommended Current [A]

2.2 Amps per conductor @ 25°C

#### Voltage

##### Non-UL Voltage Rating

200 V RMS

### Temperature Range

Non-UL Temp Rating:	75°C
Operating Temp Range:	-40°C To +75°C

### Mechanical Characteristics

Bulk Cable Weight:	11 lbs/1000ft
Max Recommended Pulling Tension:	17.7 lbs
Min Bend Radius/Minor Axis:	1.5 in

### Applicable Environmental and Other Programs

Environmental Space:	Indoor (Not Riser or Plenum)
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/11/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
MII Order #39 (China RoHS):	Yes

### Suitability

Suitability - Indoor:	Yes
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### Plenum/Non-Plenum

Plenum (Y/N):	No
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### Part Number

#### 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

### History

Update and Revision:	Revision Number: 0.300 Revision Date: 05-11-2020
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