

**Part Number: 9452**

**Microphone Cable, #24-1pr, TC, O/A Foil, CM**



## 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

### Product Overview

Environmental Space:	Indoor (Not Riser or Plenum)
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### Physical Characteristics (Overall)

#### Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Conductors
24	19x36	High Conductivity TC - Tinned Copper	0.024 in	2

Conductor Count:	2
Conductor Size:	24 AWG

#### Insulation

Material	Nominal Diameter	Nominal Wall Thickness
HDPE - High Density 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	Noise Reducing		100 %	TC - Tinned Copper	0.025 in	24	Stranded
Tape	2	Aluminum Foil-Polyester Tape	Beldfoil®	100 %				

#### Outer Jacket Material

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

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

Nominal Inductance
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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

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
CA Prop 65 (CJ for Wire & Cable):	Yes
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
9452 0101000	Black
9452 010500	Black
9452 010U1000	Black
9452 010U500	Black

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