

Part Number: 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

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
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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/Polyester	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

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	UPC	Length
9452 0101000	Black	612825253204	1,000 ft
9452 010500	Black	612825253174	500 ft
9452 010U1000	Black	612825253181	1,000 ft
9452 010U500	Black	612825254027	500 ft

History

Update and Revision:	Revision Number: 0.289 Revision Date: 08-22-2019
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