

**Product:** [8408](#) 

Microphone Cable, 2 Conductor 16 AWG, TC



### Product Description

16 AWG stranded (65x34) high-conductivity tinned copper conductors, EPDM rubber insulation, rayon braid, tinned copper braid shield (85% coverage), cotton wrap, CSPE - Chlorosulphonated Polyethylene heavy-duty jacket.

### Technical Specifications

#### Physical Characteristics (Overall)

##### Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Conductors
16	65x34	TC - Tinned Copper	0.059 in	2

Conductor Count:	2
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##### Insulation

Material	Nominal Diameter	Nominal Wall Thickness
EPDM - Ethylene Propylene Diene Monomer	0.133 in	0.037 in

##### Color Chart

Number	Color
1	Black
2	White

##### Outer Shield Material

Type	Material	Coverage [%]
Braid	Rayon®	85%
Braid	Tinned Copper (TC)	85%

##### Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness	Separator Material
CSPE - Chlorosulphonated Polyethylene	0.38 in	0.040 in	Cotton Serve

#### Electrical Characteristics

##### Conductor DCR

Nominal Conductor DCR	Nominal Conductor DCR	Conductor Resistance	Nominal Outer Shield DCR
4 Ohm/1000ft	4 Ohm/1000ft		2.4 Ohm/1000ft

##### Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
30 pF/ft	55 pF/ft

##### Impedance

Nominal Characteristic Impedance
59 Ohm

##### Current

Max. Recommended Current [A]

5.6 Amps per Conductor at 25°C (10°C Temperature Rise)

## Voltage

### Non-UL Voltage Rating

600 V RMS

## Temperature Range

Non-UL Temp Rating:	60°C
Operating Temp Range:	-30°C To +60°C

## Mechanical Characteristics

Bulk Cable Weight:	93 lbs/1000ft
Max. Pull Tension:	150 lbs
Min Bend Radius/Minor Axis:	4 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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## Flammability, LSOH, Toxicity Testing

UL Flammability:	VW-1
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## Plenum/Non-Plenum

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

### Variants

Item #	Color	Putup Type	Length	UPC
8408 001500	Brown	Reel	500 ft	612825355274

Footnote: C - CRATE REEL PUT-UP.

## History

Update and Revision:	Revision Number: 0.286 Revision Date: 09-30-2020
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