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

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	
Braid	TC - Tinned Copper	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 @ 25°C (10°C 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 Recommended Pulling 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

Flammability, LS0H, Toxicity Testing

UL Flammability:	VW-1

Plenum/Non-Plenum

Plenum (Y/N):	No

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: 0.282 Revision Date: 04-28-2020

Mouser Electronics

Authorized Distributor

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[Belden Wire & Cable](#):
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