

**Product: [8402](#)**
**Microphone Cable, 2 Conductor 20 AWG, TC**

**Product Description**

20 AWG stranded (26x34) high-conductivity TC conductors, EPDM rubber insulation, rayon braid, TC braid shield (85% coverage), cotton wrap, CSPE - Chlorosulphonated Polyethylene jacket.

**Technical Specifications**
**Physical Characteristics (Overall)**
**Conductor**

AWG	Stranding	Material	Nominal Diameter	No. of Conductors
20	26x34	TC - Tinned Copper (High Conductivity)	0.083 in	2

Conductor Count: 2

**Insulation**

Material	Nominal Diameter
EPDM - Ethylene Propylene Diene Monomer	0.083 in

**Color Chart**

Number	Color
1	White
2	Black

**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	0.263 in	0.035 in	Cotton Serve

**Electrical Characteristics**
**Conductor DCR**

Nominal Conductor DCR	Nominal Conductor DCR Conductor Resistance	Nominal Outer Shield DCR
10.2 Ohm/1000ft	10.2 Ohm/1000ft	3 Ohm/1000ft

**Capacitance**

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

**Inductance**

Nominal Inductance
0.18 $\mu$ H/ft

**Impedance**

Nominal Characteristic Impedance
100 Ohms

52 Ohm

**Current****Max. Recommended Current [A]**

4 Amps per Conductor at 25°C

**Voltage****Non-UL Voltage Rating**

600 V RMS

**Temperature Range**

Non-UL Temp Rating:	60°C
Operating Temp Range:	-20°C To +60°C

**Mechanical Characteristics**

Bulk Cable Weight:	50 lbs/1000ft
Max. Pull Tension:	98 lbs
Min Bend Radius/Minor Axis:	2.63 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, LS0H, 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
8402 001500	Brown	Reel	500 ft	612825206101
8402 001U1000	Brown	UnReel	1,000 ft	612825206149

Footnote: C - CRATE REEL PUT-UP.

**History**

Update and Revision:	Revision Number: 0.292 Revision Date: 09-30-2020
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