

**Product: [8425](#)**



Ruggedized, flexible microphone cable, 5 Conductor 20 AWG, TC

**Product Description**

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

**Technical Specifications**

**Product Overview**

Suitable Applications:	Deployable, Portable Microphone for studio or live performance, Audio
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**Physical Characteristics (Overall)**

**Conductor**

Element	AWG	Stranding	Material	Nominal Diameter	No. of Conductors
Conductor(s)	20	26x34	High Conductivity Tinned Copper	0.037 in	5
Conductor Count:					5

**Insulation**

Element	Material	Nominal Diameter	Nominal Wall Thickness
Conductor(s)	EPDM - Ethylene Propylene Diene Monomer	0.083 in	0.023 in

**Color Chart**

Number	Color
1	Black
2	White
3	Green
4	Red
5	Blue

**Outer Shield Material**

Type	Material	Coverage [%]
Braid	Rayon	
Braid	TC - Tinned Copper	85 %

**Outer Jacket Material**

Material	Nominal Diameter	Nominal Wall Thickness	Separator Material
EPDM - Ethylene Propylene Diene Monomer	0.318 in	0.0315 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		3.5 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

52 Ohm

## Current

### Max. Recommended Current [A]

3.2 Amps per conductor @ 25°C

## Voltage

### Non-UL Voltage Rating

600 V

## Temperature Range

Non-UL Temp Rating:	60°C
Operating Temp Range:	-50°C to +90°C

## Mechanical Characteristics

Bulk Cable Weight:	69 lbs/1000ft
Max Recommended Pulling Tension:	108 lbs
Min Bend Radius/Minor Axis:	3.25 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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## Plenum/Non-Plenum

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

### Variants

Item #	Color	Putup Type	Length	UPC
8425 010100	Black	Reel	100 ft	612825206811
8425 010250	Black	Reel	250 ft	612825206828

Footnote: C - CRATE REEL PUT-UP.

## History

Update and Revision:	Revision Number: 0.295 Revision Date: 05-19-2020
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