



**Product:** [1776](#)

Microphone Cable, 2 Conductor 20 AWG, TC

## Product Description

20 AWG stranded (19x32) high-strength tinned alloy conductors, EPDM rubber insulation, rayon braid, high-strength tinned alloy braid shield (85% coverage), cotton wrap, EPDM jacket.

## Technical Specifications

### Physical Characteristics (Overall)

#### Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Conductors
20	19x32	TCA - Tinned Copper Alloy	0.037 in	2

Conductor Count:	2
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#### Insulation

Material	Nominal Diameter	Nominal Wall Thickness
EPDM - Ethylene Propylene Diene Monomer	0.083 in	0.023 in

#### Color Chart

Number	Color
1	White
2	Black

#### Outer Shield Material

Type	Layer	Material	Coverage [%]
Braid	1	Tinned Copper (TC)	85%
Braid	2	Rayon®	85%

Table Notes:	Cotton Wrap
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#### Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness	Separator Material
EPDM - Ethylene Propylene Diene Monomer	0.262 in	0.035 in	Cotton Serve

### Electrical Characteristics

#### Conductor DCR

Nominal Conductor DCR	Nominal Conductor DCR	Conductor Resistance	Nominal Outer Shield DCR
11.5 Ohm/1000ft	11.5 Ohm/1000ft		6.2 Ohm/1000ft

#### Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
33 pF/ft	58 pF/ft

#### Current

Max. Recommended Current [A]
4 A

#### Voltage

<b>Non-UL Voltage Rating</b>
600 V RMS

## Temperature Range

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

## Mechanical Characteristics

Bulk Cable Weight:	44 lbs/1000ft
Max. Pull Tension:	250 lbs
Min Bend Radius/Minor Axis:	2.75 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):	2011-07-20
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
1776 010250	Black	Reel	250 ft	612825122289

## History

Update and Revision:	Revision Number: 0.305 Revision Date: 09-30-2020
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