



**Part Number: 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**

**Product Overview**

Environmental Space:	Indoor (Not Riser or Plenum)
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**Physical Characteristics (Overall)**

**Conductor**

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

Conductor Count:	2
Conductor Size:	20 AWG

**Insulation**

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

**Color Chart**

Number	Color
1	White
2	Black

**Outer Shield Material**

Type	Layer	Material	Coverage [%]
Braid	1	Cotton	
Braid	2	TC - Tinned Copper	85 %

Outer Shield Table Note:	Cotton Wrap
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**Outer Jacket Material**

Material	Nominal Diameter	Nominal Wall Thickness	Separator Material
EPDM - Ethylene Propylene Diene Monomer Rubber	0.262 in	0.035 in	Rayon Braid
	0.262 in		

**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

### Non-UL Voltage Rating

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 Recommended Pulling Tension:	250 lbs
Min Bend Radius/Minor Axis:	2.75 in

## Applicable Environmental and Other Programs

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
CA Prop 65 (CJ for Wire & Cable):	Yes
MIL 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	UPC	Length
1776 010250	Black	612825122289	250 ft

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