



**Product:** [9394](#)

Microphone Cable, 1 Conductor 20 AWG, TC

### Product Description

20 AWG stranded (27x34) high-conductivity TC conductor, EPDM rubber insulation, conductive textile (100%) plus TC spiral shields (95% coverage), paper tape, CPE jacket.

### Technical Specifications

#### Physical Characteristics (Overall)

##### Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Coax
20	27x34	TC - Tinned Copper (High Conductivity)	0.037 in	1

Conductor Count:	1
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##### Insulation

Material	Nominal Diameter
EPDM - Ethylene Propylene Diene Monomer	0.097 in

##### Outer Shield Material

Type	Layer	Material	Coverage [%]
Spiral Serve / Screen	1	Textile (Conductive)	100%
Spiral Serve / Screen	2	Tinned Copper (TC)	95%
Tape	3		100%

##### Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness	Separator Material
CPE - Chlorinated Polyethylene	0.19 in	0.033 in	Paper Tape

#### Electrical Characteristics

##### Conductor DCR

Nominal Conductor DCR	Nominal Conductor DCR Conductor Resistance	Nominal Outer Shield DCR	Outer Conductor DCR
10.2 Ohm/1000ft	10.2 Ohm/1000ft	8.7 Ohm/1000ft	8.7 Ohm/1000ft

##### Capacitance

Max. Capacitance Conductor to Shield	Nom. Capacitance Conductor to Shield
55 pF/ft	55 pF/ft

##### Impedance

Nominal Characteristic Impedance
34 Ohm

##### Current

Max. Recommended Current [A]
4 Amps per Conductor at 25°C (10°C Temperature Rise)

##### Voltage

Non-UL Voltage Rating

300 V RMS

Electrical Characteristics Notes:	Insulation Resistance: 500 Megohms/1000 ft. @ 500 V DC
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### Temperature Range

Non-UL Temp Rating:	60°C
Operating Temp Range:	-30°C To +60°C

### Mechanical Characteristics

Bulk Cable Weight:	25 lbs/1000ft
Max. Pull Tension:	28 lbs
Min Bend Radius/Minor Axis:	2 in

### Standards

RG Type:	N/A
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### 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):	2005-04-01
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
9394 0101000	Black	Reel	1,000 ft	612825358749

Footnote:	C - CRATE REEL PUT-UP.
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### History

Update and Revision:	Revision Number: 0.324 Revision Date: 09-30-2020
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