



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
------------------	---

##### Insulation

Material	Nominal Diameter
EPDM - Ethylene Propylene Diene Monomer	0.097 in

##### Outer Shield

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	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

Min Insulation Resistance:	500 Megohms/1000 ft. @ 500 V DC
----------------------------	---------------------------------

##### Impedance

Nominal Characteristic Impedance
34 Ohm

##### Current

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

##### Voltage

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

Electrical Characteristics Notes:	Insulation Resistance: 500 Megohms/1000 ft. @ 500 V DC
-----------------------------------	--

### Temperature Range

Non-UL Temp Rating:	60°C
Operating Temperature 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

### 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 2):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU (RoHS 2 amendment):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
MII Order #39 (China RoHS):	Yes

### Suitability

Suitability - Indoor:	Yes
-----------------------	-----

### Plenum/Non-Plenum

Plenum (Y/N):	No
---------------	----

### Related Part Numbers

#### Variants

Item #	Color	Put-Up Type	Length	UPC
9394 0101000	Black	Reel	1,000 ft	612825358749

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

### History

Update and Revision:	Revision Number: 0.378 Revision Date: 11-09-2022
----------------------	--

© 2023 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.