



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

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 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
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Plenum/Non-Plenum

Plenum (Y/N):	No
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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.
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History

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