

Product: [8405](#) 



Microphone Cable, 5 Conductor 20 AWG, TC

Product Description

Mic, 20 AWG stranded (19x32) high-conductivity TC conductors, cabled, polyethylene insulation, rayon braid, TC braid shield (85% coverage), PVC jacket.

Technical Specifications

Physical Characteristics (Overall)

Conductor				
AWG	Stranding	Material	Nominal Diameter	No. of Conductors
20	19x32	TC - Tinned Copper (High Conductivity)	0.037 in	5
Conductor Count:			5	

Insulation		
Material	Nominal Diameter	Nominal Wall Thickness
PE - Polyethylene	0.069 in	0.016 in

Color Chart	
Number	Color
1	Black
2	Clear
3	Green
4	Red
5	Blue

Outer Shield		
Type	Material	Coverage [%]
Braid	Rayon®	85%
Braid	Tinned Copper (TC)	85%

Outer Jacket				
Material	Nominal Diameter	Min. Wall Thickness	Nominal Wall Thickness	Separator Material
PVC - Polyvinyl Chloride	0.281 in	0.005 in	0.035 in	Cotton Serve

Construction and Dimensions

Cabling

Filler
Jute

Electrical Characteristics

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

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
23 pF/ft	40 pF/ft

Current

Max. Recommended Current [A]
3.2 Amps per Conductor at 25°C

Voltage

UL Voltage Rating
300 V RMS (UL AWM Style 2094)

Temperature Range

UL Temp Rating:	60°C
Operating Temp Range:	-20°C To +60°C

Mechanical Characteristics

Bulk Cable Weight:	59 lbs/1000ft
Max. Pull Tension:	139 lbs
Min. Bend Radius/Minor Axis:	2.8 in

Standards

UL AWM Style Compliance:	UL Style 2094 (300 V 60°C)
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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 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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Flammability, LS0H, Toxicity Testing

UL Flammability:	UL1685 UL Loading, VW-1
UL voltage rating:	300 V RMS (UL AWM Style 2094)

Plenum/Non-Plenum

Plenum (Y/N):	No
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Part Number

Variants

Item #	Color	Put-Up Type	Length	UPC
8405 060250	Chrome	Reel	250 ft	612825206224
8405 060500	Chrome	Reel	500 ft	612825206231
8405 0601000	Chrome	Reel	1,000 ft	612825206217

Footnote:	C - CRATE REEL PUT-UP.
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History

Update and Revision:	Revision Number: 0.373 Revision Date: 09-24-2021
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