



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

Product Overview

Suitable Applications:	Ruggedized, deployable microphone for studio or live performance; Balanced analog audio
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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
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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	Nominal Outer Shield DCR
10.2 Ohm/1000ft	10.2 Ohm/1000ft		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 Temperature 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:	AWM 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, LSOH, 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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Related Part Numbers

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: 0.385 Revision Date: 01-10-2024
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