

Product: [8403](#) 



Microphone Cable, 3 Conductor 20 AWG, TC

Product Description

20 AWG stranded (19x32) high-conductivity tinned copper conductors, polyethylene insulation, rayon braid, TC braid shield (90% cerage), PVC jacket.

Technical Specifications

Physical Characteristics (Overall)

Conductor				
AWG	Stranding	Material	Nominal Diameter	No. of Conductors
20	19x32	High Conductivity Tinned Copper	0.037 in	3
Conductor Count:			3	

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

Color Chart

Number	Color
1	Clear
2	Black
3	Red

Outer Shield Material		
Type	Material	Coverage [%]
Braid	Rayon	
Braid	TC - Tinned Copper	90 %

Outer Jacket Material			
Material	Nominal Diameter	Nominal Wall Thickness	Separator Material
PVC - Polyvinyl Chloride	0.244 in	0.033 in	Cotton Serve

Electrical Characteristics

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

Capacitance	
Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
25 pF/ft	45 pF/ft

Current
Max. Recommended Current [A]
3.1 Amps per conductor @ 25°C

Voltage

UL Voltage Rating
600 V RMS

Temperature Range

Non-UL Temp Rating:	80°C
Operating Temp Range:	-20°C To +80°C

Mechanical Characteristics

Bulk Cable Weight:	41 lbs/1000ft
Max Recommended Pulling Tension:	111 lbs
Min Bend Radius/Minor Axis:	2.5 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 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):	2004-01-01
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Indoor:	Yes
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Flammability, LS0H, Toxicity Testing

UL Flammability:	VW-1
UL voltage rating:	600 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	No
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Part Number

Variants

Item #	Color	Putup Type	Length	UPC
8403 060500	Chrome	Reel	500 ft	612825206170
8403 0601000	Chrome	Reel	1,000 ft	612825206156

Footnote:	C - CRATE REEL PUT-UP.
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History

Update and Revision:	Revision Number: 0.304 Revision Date: 04-28-2020
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