



Product: [8412](#)

Microphone Cable, 2 Conductor 20 AWG TC

Product Description

Microphone Cable, 2 Conductor 20 AWG stranded (26x34) high-conductivity TC conductors, EPDM rubber insulation, rayon braid, TC braid shield (85% coverage), cotton wrap, EPDM jacket.

Technical Specifications

Physical Characteristics (Overall)

Conductor

Element	AWG	Stranding	Material	Nominal Diameter	No. of Conductors
Conductor(s)	20	26x34	High Conductivity Tinned Copper	0.037 in	2
Conductor Count:			2		

Insulation

Element	Material	Nominal Diameter	Nominal Wall Thickness
Conductor(s)	EPDM - Ethylene Propylene Diene Monomer	0.083 in	0.023 in

Color Chart

Number	Color
1	White
2	Black

Outer Shield Material

Type	Material	Coverage [%]
Braid	Rayon	
Braid	TC - Tinned Copper	85 %

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness	Separator Material
EPDM - Ethylene Propylene Diene Monomer	0.262 in	0.035 in	Cotton Serve

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
10.6 Ohm/1000ft	4.5 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
33 pF/ft	58 pF/ft

Inductance

Nominal Inductance
0.18 µH/ft

Impedance

Nominal Characteristic Impedance

67 Ohm

Current

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

Voltage

Non-UL Voltage Rating
600 V RMS

Temperature Range

Non-UL Temp Rating:	90°C
Operating Temp Range:	-50°C To +90°C

Mechanical Characteristics

Bulk Cable Weight:	44 lbs/1000ft
Max Recommended Pulling Tension:	100 lbs
Min Bend Radius/Minor Axis:	2.75 in

Applicable Environmental and Other Programs

Environmental Space:	Indoor (Not Riser or Plenum)
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	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 - Aerial:	No
Suitability - Burial:	No
Suitability - Hazardous Locations:	No
Suitability - Indoor:	Yes
Suitability - Outdoor:	No
Suitability - Sunlight Resistance:	No

Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	8412P

Part Number

Variants

Item #	Color	Putup Type	Length	UPC
8412 010100	Black	Reel	100 ft	612825206361
8412 010250	Black	Reel	250 ft	612825206385
8412 010500	Black	Reel	500 ft	612825206330
8412 010U500	Black	UnReel	500 ft	612825396987
8412 0101000	Black	Reel	1,000 ft	612825206378
8412 010U1000	Black	UnReel	1,000 ft	612825206347
8412 0061000	Blue, Light	Reel	1,000 ft	612825206354
8412 0021000	Red	Reel	1,000 ft	612825206316
8412 0041000	Yellow	Reel	1,000 ft	612825206323

Footnote:	C - CRATE REEL PUT-UP.
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History

Update and Revision:	Revision Number: 0.307 Revision Date: 05-11-2020
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