



Part Number: 8412

Microphone Cable, 2 Conductor 20 AWG TC, Shielded

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

Product Overview

Environmental Space:	Indoor (Not Riser or Plenum)
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Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Conductors
20	26x34	High Conductivity TC - Tinned Copper	0.037 in	2

Conductor Count:	2
Conductor Size:	20 AWG

Insulation

Material	Nominal Diameter	Nominal Wall Thickness
EPDM - Ethylene Propylene Diene Monomer Rubber	0.083 in	0.023 in

Color Chart

Number	Color
1	White
2	Black

Outer Shield Material

Type	Layer	Material	Coverage [%]
Braid	1	Cotton	
Braid	2	TC - Tinned Copper	85 %

Note:	Cotton Wrap
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Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness	Separator Material
EPDM - Ethylene Propylene Diene Monomer Rubber	0.262 in	0.035 in	Rayon Braid

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

Shielding:	Braid(s)
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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

600V 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

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
CA Prop 65 (CJ for Wire & Cable):	Yes
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	Footnote
8412 010100	BLACK	
8412 0101000	BLACK	C
8412 010250	BLACK	
8412 010500	BLACK	C
8412 010U1000	BLACK	
8412 010U500	BLACK	
8412 0061000	BLUE, LIGHT	C
8412 0021000	RED	C
8412 0041000	YELLOW	C

Footnote:	C - CRATE REEL PUT-UP.
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