



Part Number: 8418

Microphone Cable, #20-8c, TC, O/A Braid, CM

Product Description

Mic, 20 AWG stranded (26x34) high-conductivity TC conductors, rubber insulation, cotton wrap, rayon braid, TC braid shield (85% coverage), EPDM rubber 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	8
Conductor Count:				8
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	Blue
2	Orange
3	Black
4	White
5	Brown
6	Green
7	Red
8	Yellow

Outer Shield Material

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

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness	Separator Material
EPDM - Ethylene Propylene Diene Monomer Rubber	0.381 in	0.037 in	Rayon Braid, Cotton Serve

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Conductor DCR	Conductor Resistance	Nominal Outer Shield DCR
10.2 Ohm/1000ft	10.2 Ohm/1000ft		2.4 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
30 pF/ft	55 pF/ft

Shielding:	Braid(s)
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Inductance

Nominal Inductance
0.18 µH/ft

Impedance

Nominal Characteristic Impedance
52 Ohm

Current

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

Voltage

Non-UL Voltage Rating
600 V RMS

Temperature Range

Non-UL Temp Rating:	60°C
Operating Temp Range:	-50°C To +90°C

Mechanical Characteristics

Bulk Cable Weight:	100 lbs/1000ft
Max Recommended Pulling Tension:	116 lbs
Min Bend Radius/Minor Axis:	3.8 in

Standards

CPR Euroclass:	Fca
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Applicable Environmental and Other Programs

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
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Indoor:	Yes
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Plenum/Non-Plenum

Plenum (Y/N):	No
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Part Number

Variants

Item #	Color	Footnote
8418 010100	Black	
8418 010250	Black	C

Footnote:	C - CRATE REEL PUT-UP.
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