

Part Number: 8424

Microphone Cable, 4 Conductor 20 AWG TC, O/A Braid, CM



Product Description

Microphone 4 Conductor 20 AWG stranded (26x34) high-conductivity tinned copper conductors, EPDM rubber insulation, rayon braid, TC braid shield (85% coverage), cotton wrap, EPDM rubber jacket.

Technical Specifications

Product Overview

Environmental Space:	Indoor (Not Riser or Plenum)
Suitable Applications:	Low-Impedance Audio/Microphone Cable

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Conductors
20	26x34	High Conductivity TC - Tinned Copper	0.037 in	4

Conductor Count:	4
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	Black
2	White
3	Red
4	Green

Outer Shield Material

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

Note:	Cotton Wrap
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Outer Jacket Material

Material	Nominal Diameter	Separator Material
EPDM - Ethylene Propylene Diene Monomer Rubber	0.294 in	Rayon Braid

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
10.2 Ohm/1000ft	3.2 Ohm/1000ft

Capacitance

Nom. Capacitance Between Conductors in Quad	Nom. Capacitance Conductor to Conductor
59 pF/ft	47 pF/ft

Shielding:	Braid(s)
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Inductance

Nominal Inductance

0.18 µH/ft

Impedance

Nominal Characteristic Impedance

52 Ohm

Delay

Nominal Velocity of Propagation (VP) [%]

52 %

Current

Max. Recommended Current [A]

3.2 Amps per conductor @ 25°C

Voltage

UL Voltage Rating

600V RMS

Electrical Characteristics Notes:	2/c 17AWG equivalent DCR when connected to a 3-pin XLR
Other Electrical Characteristic 2:	59 pF/ft - Nom. Cap. Between Cond. In a Quad Config.

Temperature Range

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

Mechanical Characteristics

Bulk Cable Weight:	61 lbs/1000ft
Max Recommended Pulling Tension:	87 lbs
Min Bend Radius/Minor Axis:	3 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 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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Flammability, LSOH, Toxicity Testing

UL Voltage Rating:	600 V RMS
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Plenum/Non-Plenum

Plenum (Y/N):	No
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Part Number

Variants

Item #	Color	Footnote
8424 010100	BLACK	
8424 0101000	BLACK	C
8424 010250	BLACK	C
8424 010500	BLACK	C
8424 010U500	BLACK	

Footnote:

C - CRATE REEL PUT-UP.

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