



Part Number: 8424

Microphone Cable, #20-4c, TC, O/A Braid, CM

Product Description

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

Construction and Dimensions

Conductor:

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

Insulation:

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

Color Chart 1:

Number	Color
1	Black
2	White
3	Red
4	Green

Outershield 1:

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

Outerjacket 1:

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

Other Electrical Characteristic 1:	2/c 17AWG equivalent DCR when connected to a 3-pin XLR
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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

Inductance:

Nominal Inductance
0.18 μ H/ft

Voltage:

UL Voltage Rating
600V RMS V

Use

Max Recommended Pulling Tension:	87 lbs
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Temperature Range

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

Min Bend Radius/Minor Axis:	3 in
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Part Number

Plenum (Y/N):	No
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Standards

CA Prop 65 (CJ for Wire & Cable):	Yes
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MII Order #39 (China RoHS):	Yes
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EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
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EU CE Mark:	Yes
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History

Notes:	Quad connection scheme: The black and red wires (or wires directly opposite one another) are connected together to form one conductor, and similarly the white and green wires (or remaining wires) are connected together to form the second conductor.
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Product Variants

Part Number	Color	Put-Up Type	Length
8424	BLACK	Reel	1000 ft
8424	BLACK	Reel	305 m
8424 0101000	BLACK	Reel	1000 ft
8424	BLACK	Reel	100 ft
8424	BLACK	Reel	30 m
8424 010100	BLACK	Reel	100 ft
8424	BLACK	Reel	250 ft
8424	BLACK	Reel	76 m
8424 010250	BLACK	Reel	250 ft
8424	BLACK	Reel	500 ft
8424	BLACK	Reel	152 m
8424 010500	BLACK	Reel	500 ft
8424	BLACK	UnReel	500 ft
8424	BLACK	UnReel	152 m
8424 010U500	BLACK	UnReel	500 ft
8424			
8424			
8424			

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