



**Product:** [8424](#)

Microphone Cable, Star Quad, 4 C #20 Str TC, Rayon & 85% TC Braid, Cotton Serve, EPDM Jkt, Flexible

## Product Description

Microphone Cable, Star Quad, 4 Conductor 20 AWG (26 x 34) Tinned Copper (High conductivity), EPDM Insulation, Rayon® Braid, 85% Tinned Copper Braid Shield, Cotton Serve, EPDM Jacket

## Technical Specifications

### Product Overview

Suitable Applications: Ruggedized, deployable microphone for studio or live performance; Balanced analog audio

### Construction Details

#### Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	4	20 AWG	26x34	TC - Tinned Copper (High Conductivity)

#### Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	EPDM - Ethylene Propylene Diene Monomer	0.023 in (0.58 mm)	0.083 in (2.1 mm)	Black, White, Red, Green

#### Outer Shield

Shield Type	Material	Coverage
Braid	Rayon®	85%
Braid	Tinned Copper (TC)	85%

#### Outer Jacket

Separator	Material	Nom. Thickness	Nom. Diameter
Cotton Serve	EPDM - Ethylene Propylene Diene Monomer	0.036 in (0.91 mm)	0.294 in (7.47 mm)

Overall Cable Diameter (Nominal): 0.294 in (7.47 mm)

### Electrical Characteristics

#### Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Characteristic Impedance	Nom. Velocity of Prop.	Max. Current
Conductor(s)	10.2 Ohm/1000ft	47 pF/ft (150 pF/m)	52 Ohm	52%	3.2 Amps per conductor @ 25°C

#### Voltage

Voltage Rating
600 V

### Mechanical Characteristics

#### Temperature

Operating
-50°C to +90°C

#### Bend Radius

Stationary Min.	Installation Min.

2.9 in (74 mm)	2.9 in (74 mm)
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Max. Pull Tension:	87 lbs (39 kg)
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Bulk Cable Weight:	61 lbs/1000ft
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## Standards and Compliance

Environmental Suitability:	Indoor (Not Riser or Plenum), Indoor
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European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
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APAC Compliance:	China RoHS II (GB/T 26572-2011)
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## Product Notes

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. Outer Shield Separator Material: Cotton Wrap
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## History

Update and Revision:	Revision Number: 0.465 Revision Date: 01-20-2023
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## Part Numbers

### Variants

Item #	Color	Putup Type	Length	UPC	Footnote
8424 010100	Black	Reel	100 ft	612825206606	
8424 010250	Black	Reel	250 ft	612825206620	C
8424 010500	Black	Reel	500 ft	612825206583	C
8424 010U500	Black	UnReel	500 ft	612825206804	
8424 0101000	Black	Reel	1,000 ft	612825206613	C

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