



REPRESENTATIVE IMAGE

**Product:** [8407](#)

Microphone Cable, Star Quad, 4 C #16 Str TC, Rayon & 85% TC Braid, Cotton Serve, CPE Jkt

### Product Description

Microphone Cable, Star Quad, 4 Conductor 16 AWG (65 x 34) Tinned Copper (High conductivity), EPDM Insulation, Rayon® Braid, 85% Tinned Copper Braid Shield, Cotton Serve, CPE Jacket

### Technical Specifications

#### Product Overview

Suitable Applications:	Low frequency microphone or musical instruments; Balanced analog audio; Low Noise for high-EMI environments
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#### Construction Details

##### Conductor

Element	Number of Element	AWG	Stranding	Material
Conductor(s)	4	16	65x34	TC - Tinned Copper (High Conductivity)

##### Insulation

Element	Material	Thickness [in.]	Nom. Insulation Diameter	Color Code
Conductor(s)	EPDM - Ethylene Propylene Diene Monomer	0.031	0.12	Black, White, Red, Green

##### Outer Shield Material

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

##### Outer Jacket Material

Separator	Material	Thickness	Nom. Diameter
Cotton Serve	CPE - Chlorinated Polyethylene	0.043 in	0.416 in

Cable Diameter (Nominal):	0.416 in
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#### Electrical Characteristics

##### Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Characteristic Impedence	Nom. Velocity of Prop.	Max. Current
Conductor(s)	4 Ohm/1000ft	30 pF/ft	44 Ohm	52%	5.6 Amps per conductor at 25°C

Nom Outer Shield DCR:	2.63 Ohm/1000ft
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##### Voltage

Non-UL Voltage Rating
600 V

#### Mechanical Characteristics

##### Temperature

Operating
-30°C to +60°C

##### Bend Radius

Stationary Min.	Installation Min.

4.25 in	5 in
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Max. Pull Tension:	162 lbs
Bulk Cable Weight:	111 lbs/1000ft

## Standards and Compliance

Environmental Suitability:	Indoor (Not Riser or Plenum), Indoor
Flammability / Fire Resistance:	VW-1
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU, EU Directive 2011/65/EU (ROHS II), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)

## 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.
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## History

Update and Revision:	Revision Number: 0.344 Revision Date: 09-30-2020
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