



REPRESENTATIVE IMAGE

**Product:** [8404](#)

Microphone Cable, Star Quad, 4 C #20 Str TC, Rayon & 85% TC Braid, PVC Jkt

## Product Description

Microphone Cable, Star Quad, 4 Conductor 20 AWG (19 x 32) Tinned Copper (High conductivity), PE Insulation, Rayon® Braid, 85% Tinned Copper Braid Shield, PVC 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	20	19x32	TC - Tinned Copper (High Conductivity)

#### Insulation

Element	Material	Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	PE - Polyethylene	0.016 in (0.41 mm)	0.069 in (1.8 mm)	Clear, Black, Red, Green

#### Outer Shield Material

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

#### Outer Jacket Material

Material	Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.032 in (0.81 mm)	0.252 in

Cable Diameter (Nominal):	0.252 in (6.40 mm)
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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)	10.2 Ohm/1000ft (33.5 Ohm/km)	23 pF/ft (75 pF/m)	45 Ohm	66%	3.1 Amps per conductor @ 25°C

Nom. Outer Shield DCR:	3.23 Ohm/1000ft
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#### Voltage

UL Voltage Rating
300 V (UL AWM 2094)

### Mechanical Characteristics

#### Temperature

UL Rating	Operating
60°C (UL AWM 2094)	-20°C to +60°C

#### Bend Radius

Stationary Min.	Installation Min.
3.0 in (76 mm)	3.0 in (76 mm)

Max. Pull Tension:	100 lbs (45 kg)
Bulk Cable Weight:	46 lbs/1000ft (68 kg/km)

## Standards and Compliance

Environmental Suitability:	Indoor (Not Riser or Plenum), Indoor
Flammability / Fire Resistance:	VW-1
AWM Compliance:	2094
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)
APAC Compliance:	China RoHS II (GB/T 26572-2011)

## Product Notes

Notes:	Overall cabling separator material: Rayon braid. Quad connection scheme: The two blue wires (or wires directly opposite one another) are connected together to form one conductor, and similarly the two white wires (or remaining wires) are connected together to form the second conductor.
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## History

Update and Revision:	Revision Number: 0.341 Revision Date: 06-08-2021
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