

Product: [8404](#) 



Star Quad Microphone Cable, 4 Conductor 20 AWG TC

### Product Description

Star quad Microphone Cable, 4 Conductor 20 AWG stranded (19x32) high-conductivity tinned copper conductors, polyethylene insulation, rayon braid, tinned copper braid shield (85% coverage), PVC jacket.

### Technical Specifications

#### Physical Characteristics (Overall)

##### Conductor

Element	AWG	Stranding	Material	Nominal Diameter	No. of Conductors
Conductor(s)	20	19x32	High Conductivity Tinned Copper	0.037 in	4

Conductor Count: 4

##### Insulation

Element	Material	Nominal Diameter	Nominal Wall Thickness
Conductor(s)	PE - Polyethylene	0.069 in	0.016 in

##### Color Chart

Number	Color
1	Clear
2	Black
3	Red
4	Green

##### Outer Shield Material

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

##### Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness	Separator Material
PVC - Polyvinyl Chloride	0.252 in	0.032 in	Cotton Serve

#### Electrical Characteristics

##### Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
10.2 Ohm/1000ft	3.23 Ohm/1000ft

##### Capacitance

Nom. Capacitance Between Conductors in Quad	Nom. Capacitance Conductor to Conductor
49 pF/ft	23 pF/ft

##### Inductance

Nominal Inductance
0.2 $\mu$ H/ft

## Impedance

### Nominal Characteristic Impedance

45 Ohm

## Delay

### Nominal Velocity of Propagation (VP) [%]

66 %

## Current

### Max. Recommended Current [A]

Per conductor @ 25°C: 3.1 A

## Voltage

### UL Voltage Rating

UL AWM Style 2094: 300 V RMS

Electrical Characteristics Notes: 2/c 17 AWG equivalent DCR when connected to a 3-pin XLR.

Other Electrical Characteristic 2: 49 pf/ft conductor to conductor capacitance when connected as a quad

## Temperature Range

UL Temp Rating: 60°C (UL AWM Style 2094)

Operating Temp Range: -20°C To +60°C

## Mechanical Characteristics

Bulk Cable Weight: 46 lbs/1000ft

Max Recommended Pulling Tension: 100 lbs

Min Bend Radius/Minor Axis: 2.5 in

## Standards

UL AWM Style: UL Style 2094 (300 V 60°C)

## Applicable Environmental and Other Programs

Environmental Space: Indoor (Not Riser or Plenum)

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

MII Order #39 (China RoHS): Yes

## Suitability

Suitability - Indoor: Yes

## Flammability, LSOH, Toxicity Testing

UL Flammability: VW-1

UL voltage rating: 300 V RMS (UL AWM Style 2094)

## Plenum/Non-Plenum

Plenum (Y/N): No

## Part Number

## Variants

Item #	Color	Putup Type	Length	UPC
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8404 060100	Chrome	Reel	100 ft	612825206187
8404 060500	Chrome	Reel	500 ft	612825206163
8404 0601000	Chrome	Reel	1,000 ft	612825206194
8404 060U1000	Chrome	UnReel	1,000 ft	612825206200

Footnote: C - CRATE REEL PUT-UP.

## 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.

## History

Update and Revision: Revision Number: 0.288 Revision Date: 05-11-2020

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