



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	No. of Elements	Size	Stranding	Material
Conductor(s)	4	16 AWG	65x34	TC - Tinned Copper (High Conductivity)

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	EPDM - Ethylene Propylene Diene Monomer	0.031 in (0.79 mm)	0.12 in (3.0 mm)	Black, White, Red, Green

Outer Shield

Shield Type	Material	Coverage
Braid	Rayon®	20%
Braid	Tinned Copper (TC)	85%

Outer Jacket

Separator	Material	Nom. Thickness	Nom. Diameter
Cotton Serve	CPE - Chlorinated Polyethylene	0.043 in (1.1 mm)	0.416 in (10.6 mm)

Overall Cable Diameter (Nominal):	0.416 in (10.6 mm)
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Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Characteristic Impedance	Nom. Velocity of Prop.	Max. Current
Conductor(s)	4 Ohm/1000ft	30 pF/ft (98 pF/m)	44 Ohm	52%	5.6 Amps per conductor at 25°C

Nom Outer Shield DCR:	2.63 Ohm/1000ft (8.63 Ohm/km)
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Voltage

Voltage Rating
600 V

Mechanical Characteristics

Temperature

Operating
-30°C to +60°C

Bend Radius

Stationary Min.	Installation Min.
4.1 in (100 mm)	4.1 in (100 mm)

Max. Pull Tension:	162 lbs (73.5 kg)
Bulk Cable Weight:	111 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor (Not Riser or Plenum), Indoor
Flammability / Reaction to Fire:	VW-1
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:	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: 0.510 Revision Date: 09-07-2025
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Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
8407 010100	Black	Reel	100 ft	612825206262	
8407 010250	Black	Reel	250 ft	612825206279	C

Footnote:	C - CRATE REEL PUT-UP.
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