



Product: [9397](#)

Microphone Cable, 2 Conductor 24 AWG, BC



Product Description

24 AWG stranded (105x44) high-conductivity bare copper conductors, PVC insulation, double bare copper spiral shield (95% coverage), PVC jacket.

Technical Specifications

Product Overview

Suitable Applications:	Ruggedized, deployable microphone for studio or live performance; Balanced analog audio
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Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Conductors
24	105x44	BC - Bare Copper (High Conductivity)	0.024 in	2

Conductor Count:	2
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Insulation

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.048 in	0.012 in

Outer Shield

Type	Material	Coverage [%]
Spiral Serve / Screen	Bare Copper (BC)	95%

Outer Jacket

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.176 in	0.031 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Conductor DCR	Conductor Resistance
24.6 Ohm/1000ft	24.6 Ohm/1000ft	

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
47.3 pF/ft	110 pF/ft

Inductance

Nominal Inductance
0.19 μ H/ft

Impedance

Nominal Characteristic Impedance
47 Ohm

Current

Max. Recommended Current [A]

3.36 Amps per Conductor at 25°C

Voltage

Non-UL Voltage Rating

300 V RMS

Temperature Range

Non-UL Temp Rating:	80°C
Operating Temperature Range:	-20°C To +80°C

Mechanical Characteristics

Bulk Cable Weight:	22 lbs/1000ft
Max. Pull Tension:	10 lbs
Min. Bend Radius/Minor Axis:	1.75 in

Applicable Environmental and Other Programs

Environmental Space:	Indoor (Not Riser or Plenum)
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/11/EC (BFR):	Yes
EU Directive 2011/65/EU (RoHS 2):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU (RoHS 2 amendment):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Indoor:	Yes
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Plenum/Non-Plenum

Plenum (Y/N):	No
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Related Part Numbers

Variants

Item #	Color	Put-Up Type	Length	UPC
9397 B59500	Black, Matte	Reel	500 ft	612825239949
9397 B591000	Black, Matte	Reel	1,000 ft	612825239932

Footnote: C - CRATE REEL PUT-UP.

History

Update and Revision:	Revision Number: 0.382 Revision Date: 02-15-2024
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