



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 $\mu$ H/ft

##### Impedance

Nominal Characteristic Impedance
47 Ohm

##### Current

Max. Recommended Current [A]
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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
Maximum Recommended Pulling Tension:	10 lbs
Minimum Minor Axis Bend Radius:	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.
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## History

Update and Revision:	Revision Number: 0.383 Revision Date: 02-03-2025
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