

Product: [1812A](#) 

Microphone Cable, 2 Conductor 24 AWG, BC



Product Description

24 AWG stranded (42x40) high-conductivity BC conductors, PVC insulation, double bare copper spiral shield (95% coverage), PVC outer 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	42x40	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	0.047 in	0.0115 in

Inner Jacket

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.122 in	0.013 in

Outer Shield

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

Outer Jacket

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.213 in	0.037 in
	0.037 in	

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Conductor DCR	Conductor Resistance	Nominal Outer Shield DCR
23.3 Ohm/1000ft	23.3 Ohm/1000ft		5.3 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
33 pF/ft	54 pF/ft

Inductance

Nominal Inductance
0.196 μ H/ft

Voltage

Non-UL Voltage Rating

100 V RMS

Temperature Range

Non-UL Temp Rating:	60°C
Operating Temperature Range:	-30°C To +60°C

Mechanical Characteristics

Bulk Cable Weight:	30 lbs/1000ft
Maximum Recommended Pulling Tension:	10 lbs
Minimum Minor Axis Bend Radius:	2.25 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
1812A B59328	Black, Matte	Reel	328 ft	612825123354
1812A B591000	Black, Matte	Reel	1,000 ft	612825123347
1812A B59N1000	Black, Matte	Reel w/Small Barrel	1,000 ft	612825367116
1812A G7X1000	Blue, Matte	Reel	1,000 ft	612825123385
1812A G7XN1000	Blue, Matte	Reel w/Small Barrel	1,000 ft	612825367109
1812A G7W1000	Green, Matte	Reel	1,000 ft	612825123378
1812A G7WN1000	Green, Matte	Reel w/Small Barrel	1,000 ft	612825367093
1812A G7V328	Red, Matte	Reel	328 ft	612825123361
1812A G7VN1000	Red, Matte	Reel w/Small Barrel	1,000 ft	612825367086

Footnote:	C - CRATE REEL PUT-UP.
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History

Update and Revision:	Revision Number: 0.371 Revision Date: 02-03-2025
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