

**Part Number:** 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**

Environmental Space:	Indoor (Not Riser or Plenum)
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**Physical Characteristics (Overall)**

**Conductor**

AWG	Stranding	Material	Nominal Diameter	No. of Conductors
24	42x40	High Conductivity BC - Bare Copper	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**

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

**Outer Shield Material**

Type	Material	Coverage [%]
Double Spiral Serve	BC - Bare Copper	95 %

**Outer Jacket Material**

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 $\mu$ H/ft

**Voltage**

<b>Non-UL Voltage Rating</b>
100 V RMS

## Temperature Range

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

## Mechanical Characteristics

Bulk Cable Weight:	30 lbs/1000ft
Max Recommended Pulling Tension:	10 lbs
Min Bend Radius/Minor Axis:	2.25 in

## Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/11/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
CA Prop 65 (CJ for Wire & Cable):	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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## Part Number

### Variants

Item #	Color	UPC	Length	Footnote
1812A B591000	Black, Matte	612825123347	1,000 ft	C
1812A B59328	Black, Matte	612825123354	328 ft	
1812A B59N1000	Black, Matte	612825367116	1,000 ft	
1812A G7X1000	Blue, Matte	612825123385	1,000 ft	C
1812A G7XN1000	Blue, Matte	612825367109	1,000 ft	
1812A G7W1000	Green, Matte	612825123378	1,000 ft	
1812A G7WN1000	Green, Matte	612825367093	1,000 ft	
1812A G7V328	Red, Matte	612825123361	328 ft	
1812A G7VN1000	Red, Matte	612825367086	1,000 ft	

Footnote:	C - CRATE REEL PUT-UP.
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## History

Update and Revision:	Revision Number: 0.273 Revision Date: 08-22-2019
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