



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
------------------------	---

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		

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 µH/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
Max. Pull Tension:	10 lbs
Min. Bend Radius/Minor Axis:	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
-----------------------	-----

Plenum/Non-Plenum

Plenum (Y/N):	No
---------------	----

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.
-----------	------------------------

History

Update and Revision:	Revision Number: 0.370 Revision Date: 02-15-2024
----------------------	--

© 2024 Belden, Inc
All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Belden Wire & Cable:](#)

[1812A G7V328](#) [1812A G7W1000](#) [1812A G7X1000](#) [1812A B591000](#) [1812A B59328](#) [1812A G7VN1000](#) [1812A](#)
[G7WN1000](#) [1812A G7XN1000](#) [1812A B59N1000](#)