

1812A Multi-Conductor - Two-Conductor, Low-Impedance Cable



For more Information
please call

1-800-Belden1



General Description:

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

Physical Characteristics (Overall)

Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material
2	24	42x40	High Conductivity BC - Bare Copper

Total Number of Conductors: 2

Insulation

Insulation Material:

Insulation Material	Wall Thickness (in.)	Dia. (in.)
PVC - Polyvinyl Chloride	.012	.047

Inner Jacket

Inner Jacket Material:

Inner Jacket Material
PVC - Polyvinyl Chloride

Outer Shield

Outer Shield Material:

Type	Outer Shield Material	Coverage (%)
Double Spiral Serve	BC - Bare Copper	95

Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	.037

Overall Cable

Overall Nominal Diameter: 0.213 in.

Mechanical Characteristics (Overall)

Operating Temperature Range:	-30°C To +60°C
Non-UL Temperature Rating:	60°C
Bulk Cable Weight:	30 lbs/1000 ft.
Max. Recommended Pulling Tension:	10 lbs.
Min. Bend Radius/Minor Axis:	2.250 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

EU Directive 2011/65/EU (ROHS II):	Yes
EU CE Mark:	Yes
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2004
EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

Plenum/Non-Plenum

..

1812A Multi-Conductor - Two-Conductor, Low-Impedance Cable

Plenum (Y/N):

No

Electrical Characteristics (Overall)

Nom. Inductance:

Inductance (µH/ft)

0.196

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

33

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)

54

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

23.3

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

5.3

Max. Operating Voltage - Non-UL:

Voltage

100 V RMS

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1812A B59N1000	1,000 FT	33.000 LB	BLACK, MATTE		2 #24 PVC PVC SRV PVC
1812A B591000	1,000 FT	33.000 LB	BLACK, MATTE	C	2 #24 PVC PVC SRV PVC
1812A B59328	328 FT	10.496 LB	BLACK, MATTE		2 #24 PVC PVC SRV PVC
1812A G7VN1000	1,000 FT	33.000 LB	RED, MATTE		2 #24 PVC PVC SRV PVC
1812A G7V328	328 FT	10.496 LB	RED, MATTE		2 #24 PVC PVC SRV PVC
1812A G7WN1000	1,000 FT	33.000 LB	GREEN, MATTE		2 #24 PVC PVC SRV PVC
1812A G7W1000	1,000 FT	33.000 LB	GREEN, MATTE		2 #24 PVC PVC SRV PVC
1812A G7XN1000	1,000 FT	33.000 LB	BLUE, MATTE		2 #24 PVC PVC SRV PVC
1812A G7X1000	1,000 FT	33.000 LB	BLUE, MATTE	C	2 #24 PVC PVC SRV PVC

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 08-24-2012

© 2017 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 herein 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 "AS IS" 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 EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be in stock at Belden facilities and in our Distributor's inventory. The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information, and belief at the date of its publication. The information provided in this Product Disclosure 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. This 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.

Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 2014/35/EU).