

3132A Coax - ControlBus™ Quad Shielded Coax

For more Information
please call

1-800-Belden1

**Description:**

18 AWG solid bare copper-covered steel conductor, plenum, foam FEP insulation, Duobond® IV quad shield (100% coverage), fluorocopolymer jacket.

Usage (Overall)

Suitable Applications: Plenum RG-6/U Type

Physical Characteristics (Overall)**Conductor**

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
1	18	Solid	BCCS - Bare Copper Covered Steel	.040

Insulation

Insulation Material:

Insulation Material	Dia. (in.)
FFEP - Foam Fluorinated Ethylene Propylene	.170

Outer Shield

Outer Shield Material:

Layer #	Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
1	Bonded Duofoil®	Tape	Bonded Aluminum Foil-Polyester Tape-Aluminum Foil	100
2		Braid	AL - Aluminum	60
3	Duofoil®	Tape	Aluminum Foil-Polyester Tape-Aluminum Foil	100
4		Braid	AL - Aluminum	40

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVDF - Fluorocopolymer

Overall Cable

Overall Nominal Diameter: 0.274 in.

Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +150°C
UL Temperature Rating:	150°C
Bulk Cable Weight:	43 lbs/1000 ft.
Max. Recommended Pulling Tension:	104 lbs.
Min. Bend Radius (Install)/Minor Axis:	2.750 in.

Applicable Specifications and Agency Compliance (Overall)**Applicable Standards & Environmental Programs**

NEC/(UL) Specification:	CMP
CEC/C(UL) Specification:	CMP
IEEE Specification:	802.4 MAP, 802.7 Mini-MAP

3132A Coax - ControlBus™ Quad Shielded Coax

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):	04/01/2005
---------------------------------------	------------

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

RG Type:	6/U
----------	-----

Flame Test

UL Flame Test:	NFPA 262
----------------	----------

CSA Flame Test:	FT6
-----------------	-----

Suitability

Suitability - Outdoor:	Yes
------------------------	-----

Suitability - Burial:	Yes
-----------------------	-----

Plenum/Non-Plenum

Plenum (Y/N):	Yes
---------------	-----

Non-Plenum Number:	3131A
--------------------	-------

Surface Printing (Overall)**Electrical Characteristics (Overall)****Nom. Characteristic Impedance:**

Impedance (Ohm)	Tolerance (Ohms)
75	± 3

Nom. Inductance:

Inductance (μH/ft)
.093

Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)
16.3

Nominal Velocity of Propagation:

VP (%)
82

Nominal Delay:

Delay (ns/ft)
1.2

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
28.0

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
7.2

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
1	.36
2	.38
5	.50
10	.65
20	.95

3132A Coax - ControlBus™ Quad Shielded Coax

50	1.50
100	2.12
200	2.99
300	3.66
400	4.23

Max. Operating Voltage - UL:

Voltage
300 V RMS

Other Electrical Characteristic 1: Tilt 5 to 10 MHz: .48 dB/100 M

Other Electrical Characteristic 2: Tilt 10 to 20 MHz: .93 dB/100 M

Other Electrical Characteristic 3: Sweep Tested 5 to 400MHz.

Minimum Structural Return Loss:

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Min. SRL (dB)
		5	400	23

Phase Delay Distortion:

F/B	%PDD/100M (5MB)	%PDD/100M (10MB)
0.5	-0.54	-1.19
1.0	-0.19	-0.51
1.5	0	0
2.0	+0.16	+0.38
2.5	+0.30	+0.66

Notes (Overall)

Notes: Tap Marks Every 2.6 Meters to aid in users installation.

Related Documents:

No related documents are available for this product

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
3132A F2V1000	1,000 FT	36.000 LB	GRAY, DEC	C	#18 FFEP DBSH SLF

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 04-25-2008

© 2012 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 73/23/EEC), as amended by directive 93/68/EEC.