

# Detailed Specifications & Technical Data



ENGLISH MEASUREMENT VERSION

## 3124A Multi-Conductor - DeviceBus® for Square D/Seriplex®



For more Information  
please call

1-800-Belden1



### Description:

18 and 22 AWG stranded tinned copper conductors, foam HDPE insulation (power), foam HDPE insulation (data), overall Beldfoil® shield (100% coverage), 22 AWG stranded (7x30) tinned copper drain wire, PVC jacket.

### Physical Characteristics (Overall)

#### Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material	Dia. (in.)
2	18	16x30	TC - Tinned Copper	.040
2	22	7x30	TC - Tinned Copper	.030

#### Insulation

Insulation Material:

Insulation Material	Wall Thickness (in.)	AWG
FHDPE - Foam High Density Polyethylene	.031	22
FHDPE - Foam High Density Polyethylene	.025	18

#### Outer Shield

Outer Shield Material:

Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100

Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire Conductor Material
22	7x30	TC - Tinned Copper

#### Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

#### Overall Cable

Overall Cabling Lay Length & Direction:

Length (in.)	Direction
4.0	Left Hand

Overall Cabling Separator Material: Foamed Polypropylene Tape

Overall Nominal Diameter: 0.308 in.

### Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +75°C

Non-UL Temperature Rating: 75°C

Bulk Cable Weight: 39.300 lbs/1000 ft.

Max. Recommended Pulling Tension: 60 lbs.

Min. Bend Radius (Install)/Minor Axis: 3 in.

# Detailed Specifications & Technical Data



ENGLISH MEASUREMENT VERSION

## 3124A Multi-Conductor - DeviceBus® for Square D/Seriplex®

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CM, CL2
CEC/C(UL) Specification:	CM
AWM Specification:	UL Style 20201 (600 V 75°C)
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
Other Specification:	Seriplex CBL 1822-P18

#### Flame Test

UL Flame Test:	UL1685 UL Loading
----------------	-------------------

#### Plenum/Non-Plenum

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

### Electrical Characteristics (Overall)

#### Nom. Characteristic Impedance:

Description	Impedance (Ohm)
Power Pair	150

#### Nom. Capacitance Conductor to Shield:

Description	Capacitance (pF/ft)
18 AWG	20.0
22 AWG	16.0

#### Nominal Velocity of Propagation:

VP (%)
78%

#### Nom. Conductor DC Resistance:

Description	DCR @ 20°C (Ohm/1000 ft)
22 AWG	18.1
18 AWG	6.8

#### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
10.7

#### Max. Operating Voltage - UL:

Voltage	Description
600 V RMS	UL AWM Style 20201
300 V RMS	CM
150 V RMS	CL2

### Related Documents:

No related documents are available for this product

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
3124A 0031000	1,000 FT	47.000 LB	ORANGE	C	2 #18, 2#22 FHDPE FS PVC

# Detailed Specifications & Technical Data



ENGLISH MEASUREMENT VERSION

## 3124A Multi-Conductor - DeviceBus® for Square D/Seriplex®

**Notes:**

C = CRATE REEL PUT-UP.

Revision Number: 1    Revision Date: 05-14-2007

© 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.