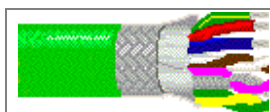


3119A Multi-Conductor - DeviceBus® for Phoenix Contact InterBus-S®



For more Information
please call

1-800-Belden1



Description

18 and 24 AWG stranded tinned copper conductors, PVC insulation (power), PE insulation (data), overall Beldfoil® shield (100% coverage) plus a tinned copper braid (90% coverage), polyurethane jacket.

Physical Characteristics (Overall):

Conductor:

AWG

# Conductors	# Pairs	AWG	Stranding	Conductor Material	Dia. (in.)
3	3 Pairs	24	7x32	TC - Tinned Copper	0.024
	3 Conductors	18	7x26	TC - Tinned Copper	0.060

Insulation:

Insulation Material

Layer #	Ins Trade Name	Ins Material	Wall Thickness (in.)	Dia. (in.)	AWG
		PE - Polyethylene			24
		PVC - Polyvinyl Chloride			18

Outer Shield:

Outer Shield Material

Layer #	Outer Shield Trade Name	Type	Outer Shield Material	% Coverage (%)
1	Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100
2		Braid	TC - Tinned Copper	90

Outer Shield Drain Wire AWG

AWG	Stranding	Drain Wire Conductor Material
24	7x32	TC - Tinned Copper

Outer Shield Drain Wire Diameter .024

Outer Jacket:

Outer Jacket Material

Outer Jacket Material
PUR - Polyurethane

Overall Cabling:

Overall Cabling Color Code Chart

Number	Color	AWG
1	White & Brown	24
2	Red	18
3	Pink & Gray	24
4	Blue	18
5	Yellow & Green	24
6	Green/Yellow Stripe	18

Overall Nominal Diameter: .333 in.

Mechanical Characteristics (Overall):

Operating Temperature Range	-40°C To +80°C
UL Temperature Rating	80°C (UL AWM Style 20233)
Bulk Cable Weight:	62 lbs/1000 ft.
Max. Recommended Pulling Tension:	100 lbs.

3119A Multi-Conductor - DeviceBus® for Phoenix Contact InterBus-S®

Min. Bend Radius (Install): 3 in.

Applicable Specifications and Agency Compliance (Overall):

Applicable Standards:

AWM Specification	UL Style 20233 (300 V 80°C)
EU CE Mark (Y/N)	Yes
EU RoHS Compliant (Y/N)	Yes
EU RoHS Compliance Date (mm/dd/yyyy)	10/01/2005

Suitability:

Sunlight Resistance High

Plenum/Non-Plenum:

Plenum (Y/N) N

Electrical Characteristics (Overall):

Nom. Characteristic Impedance

Impedance (Ohm)
100.000

Nom. Capacitance Conductor to Shield

Capacitance (pF/ft)
15.400

Nominal Velocity of Propagation

Description	VP (%)
24 AWG	66

Nom. Conductor DC Resistance

Description	DCR @ 20°C (Ohm/1000 ft)
24	23.400
18	6.600

Max. Operating Voltage - UL

Voltage
300 V RMS (UL AWM Style 20233)

Max. Recommended Current

Description	Current
24 AWG	2.100
18 AWG	4.800

Nominal Outer Shield DC Resistance

DCR @ 20°C (Ohm/1000 ft)
2.700

Notes (Overall):

Notes Oil Resistance: High

PUT UPS AND COLORS:

Item #	Putup	Ship Weight	Jacket Color	Notes	Item Desc
3119A Y5P1000	1,000 FT	71.000 LB	GREEN Y5P	C	3PR #24 PE 3 #18 PVC SH PU GRNY5P
3119A Y5P500	500 FT	35.500 LB	GREEN Y5P	C	3 PR#24 PE 3#18 PVC SH PU GRNY5P

Notes:

C = CRATE REEL PUT-UP.

3119A Multi-Conductor - DeviceBus® for Phoenix Contact InterBus-S®

© 2007 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 the following environmental regulations: California Proposition 65 Consent Judgment For Wire & Cable Mfgs.(San Francisco Superior Court Nos. 312962 And 320342); EU RoHS (Directive 2002/95/EC, 27-Jan-2003); Material manufactured prior to the compliance date may still be in stock at Belden facilities and in our Distributor's inventory; and China Ministry of Information Industry order#39 (China RoHS). EU ELV (Directive 2000/53/EC, 18-Sept-2000); EU WEEE (Directive 2002/96/EC, 27-Jan-2003); EU BFR (Directive 2003/11/EC, 6-Feb-2003). 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 the 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.