



Part Number: 9182

Twinax, (1 pr) 22 AWG (19x34) TC, FHDPE/PVC, Foil Shld, CMX

Product Description

One 22 AWG pair stranded (19x34) tinned copper conductors, Datalene® (FHDPE) insulation, Duofoil® shield (100% Coverage), PVC jacket.

Product Specifications

Technical Specifications

Construction and Dimensions

Conductor:

AWG	Stranding	Material	Nominal Diameter	No. of Pairs
22	19x34	TC - Tinned Copper	0.031 in	1
Total Number of Conductors:				2

Insulation:

Material	Material Trade Name
FHDPE - Foam High Density Polyethylene	Datalene®

Color Chart 1:

Number	Color
1	Black & Yellow

Stranding:

Lay Length	Twists	Diameter
3 in	4 twist/ft	0.275 mm

Outershield 1:

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire Diameter	Drainwire AWG	Drainwire Construction n x D
Tape	Aluminum Foil-Polyester Tape-Aluminum Foil	Duofoil®	100 %	TC - Tinned Copper	0.031 mm	22	19x34 mm

Outerjacket 1:

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.345 in

Electrical Characteristics

Conductor DCR:

Nominal Conductor DCR	Nominal Outer Shield DCR
17.75 Ohm/1000ft	17.75 Ohm/1000ft

Capacitance:

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
8.8 pF/ft	16.5 pF/ft

Impedance:

Nominal Characteristic Impedance
150 Ohm

High Frequency (Nominal/Typical):

Frequency [MHz]	Nom. Insertion Loss
1 MHz	0.4 db/100ft
10 MHz	1.2 db/100ft
50 MHz	2.7 db/100ft
100 MHz	4.3 db/100ft
200 MHz	6.2 db/100ft
400 MHz	8.8 db/100ft

Delay:

Nominal Delay	Nominal Velocity of Propagation (VP) [%]
1.3 ns/ft	78 %

High Freq:

Frequency [MHz]
1 MHz
10 MHz
50 MHz
100 MHz
200 MHz
400 MHz

Inductance:

Nominal Inductance
0.293 μ H/ft

Voltage:

UL Voltage Rating
300 V RMS (CMX)
30 V RMS (UL AWM Style 2668)
150 V RMS (CL2X)

Use

Suitability - Indoor:	Yes
Max Recommended Pulling Tension:	28 lbs

Safety

UL Flammability:	VW-1
------------------	------

Temperature Range

Operating Temp Range:	-20°C To +60°C
-----------------------	----------------

Mechanical Characteristics

Min Bend Radius/Minor Axis:	3.5 in
-----------------------------	--------

Part Number

Plenum (Y/N):	No
Plenum Number:	89182

Standards

CA Prop 65 (CJ for Wire & Cable):	CA Prop 65 (CJ for Wire & Cable)
CEC/C(UL) Specification:	CEC/C(UL) Specification

MII Order #39 (China RoHS):	MII Order #39 (China RoHS)
NEC/(UL) Specification:	NEC/(UL) Specification
UL AWM Style:	AWM Specification
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	EU CE Mark

History

Product Variants

Part Number	Color	Put-Up Type	Length
9182 0101000	BLACK	Reel	1000 ft
9182			
9182 0105000	BLACK	Reel	5000 ft
9182 010500	BLACK	Reel	500 ft
9182 010U500	BLACK	Reel	500 ft
9182.00152	BLACK	Reel	152 ft
9182.00305	BLACK	Reel	305 ft

© 2016 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.