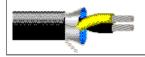
# **Detailed Specifications & Technical Data**

**ENGLISH MEASUREMENT VERSION** 



#### 9182 Twinax - Twinaxial Cable



For more Information please call

1-800-Belden1





# Description

22 AWG stranded (19x34) tinned copper conductors, Datalene® insulation, Duofoil® (100% Coverage) plus a stranded tinned copper drain wire, PVC jacket.

## **Physical Characteristics (Overall):**

#### Conductor:

**AWG** 

# Pairs AWG		Stranding	Conductor Material	Dia. (in.)
1.000	22	19x34	TC - Tinned Copper	0.031

#### Insulation:

Insulation Material

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

#### **Outer Shield:**

**Outer Shield Material** 

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

Outer Shield Drain Wire AWG

AWG	Stranding	Drain Wire Conductor Material		
22	19x34	TC - Tinned Copper		

Outer Shield Drain Wire Diameter .031

#### **Outer Jacket:**

**Outer Jacket Material** 

Outer Jacket Material
PVC - Polyvinyl Chloride

#### **Overall Cabling:**

Overall Nominal Diameter: .345 in.

#### Pair:

Pair Color Code Chart



Pair Lay Length & Direction

Lay Length (in.)	Lay Length	Twists/ft. (twist/ft)
3.000		4.000

#### **Mechanical Characteristics (Overall):**

Operating Temperature Range	-20°C 10 +60°C
Bulk Cable Weight:	41 lbs/1000 ft.
Max. Recommended Pulling Tension:	28 lbs.
Min. Bend Radius (Install):	3.500 in.

### Applicable Specifications and Agency Compliance (Overall):

#### **Applicable Standards:**

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# **Detailed Specifications & Technical Data ENGLISH MEASUREMENT VERSION**



#### 9182 Twinax - Twinaxial Cable

NEC/(UL) Specification	CMX, CL2X
CEC/C(UL) Specification	CMX
AWM Specification	UL Style 2668 (30 V 60°C)
EU CE Mark (Y/N)	Yes
EU RoHS Compliant (Y/N)	Yes
EU RoHS Compliance Date (mm/dd/yyyy)	01/01/2004
Flame Test: UL Flame Test	UL1685 UL Loading, VW-1
Suitability: Suitability - Indoor	Yes
Suitability - Outdoor	Yes
Suitability - Aerial	Yes - when supported by a messenger wire
Plenum/Non-Plenum: Plenum (Y/N)	N
Plenum Number	89182

## **Electrical Characteristics (Overall):**

Nom. Characteristic Impedance

Impedance (Ohm) 150.000

Nom. Inductance

Inductance (µH/ft) 0.293

Nom. Capacitance Conductor to Conductor

Capacitance (pF/ft) 8.800

Nom. Capacitance Cond. to Other Conductor & Shield

Capacitance (pF/ft) 16.500

Nominal Velocity of Propagation

VP (%) 78

Nominal Delay

Delay (ns/ft) 1.300

Nom. Conductor DC Resistance

DCR @ 20°C (Ohm/1000 ft)

Nom. Attenuation

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Attenuation (dB/100 ft.)
	1.000			0.400
	10.000			1.200
	50.000			2.700
	100.000			4.300
	200.000			6.200
	400.000			8.800

Max. Operating Voltage - UL

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

# **Detailed Specifications & Technical Data**

ENGLISH MEASUREMENT VERSION



9182 Twinax - Twinaxial Cable

Nominal Outer Shield DC Resistance

DCR @ 20°C (Ohm/1000 ft) 6.300

#### **PUT UPS AND COLORS:**

Item #	Putup	Ship Weight	Jacket Color	Notes	Item Desc
9182 0101000	1,000 FT	44.000 LB	BLACK	С	2 #22 FHDPE SHLD PVC BLK
9182 010500	500 FT	23.000 LB	BLACK	С	2 #22 FHDPE SHLD PVC BLK
9182 010U500	500 FT	21.500 LB	BLACK		2 #22 FHDPE SHLD PVC BLK

#### Notes:

C = CRATE REEL PUT-UP.

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

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