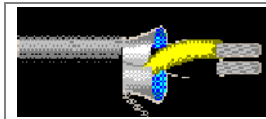


**9182 Twinax - Twinaxial Cable**



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

Insulation Trade Name	Insulation 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: 0.345 x 0.000 in.

**Pair:**

Pair Color Code Chart

Number	Color
1	Black & Yellow

Pair Lay Length & Direction

Twists/ft. (twist/ft)
4.000

**Mechanical Characteristics (Overall):**

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

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

**Applicable Standards:**

**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
<b>Flame Test:</b>	
UL Flame Test	UL1685 UL Loading, VW-1
<b>Suitability:</b>	
Suitability - Indoor	Yes
Suitability - Outdoor	Yes
Suitability - Aerial	Yes - when supported by a messenger wire
<b>Plenum/Non-Plenum:</b>	
Plenum (Y/N)	N
Plenum Number	89182

**Electrical Characteristics (Overall):**

Nom. Characteristic Impedance

<b>Impedance (Ohm)</b>
150.000

Nom. Inductance

<b>Inductance (µH/ft)</b>
0.293

Nom. Capacitance Conductor to Conductor

<b>Capacitance (pF/ft)</b>
8.800

Nom. Capacitance Cond. to Other Conductor & Shield

<b>Capacitance (pF/ft)</b>
16.500

Nominal Velocity of Propagation

<b>VP (%)</b>
78

Nominal Delay

<b>Delay (ns/ft)</b>
1.300

Nom. Conductor DC Resistance

<b>DCR @ 20°C (Ohm/1000 ft)</b>
14.000

Nominal Outer Shield DC Resistance

<b>DCR @ 20°C (Ohm/1000 ft)</b>
6.300

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

<b>Voltage</b>
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300 V RMS (CMX)
30 V RMS (UL AWM Style 2668)
150 V RMS (CL2X)

**PUT UPS AND COLORS:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9182 0101000	1,000 FT	44.000 LB	BLACK	C	2 #22 FHDPE SHLD PVC BLK
9182 010500	500 FT	23.000 LB	BLACK	C	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.

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