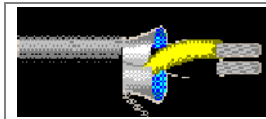


9182 Twinax - Twinaxial Cable



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
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)
14.000

Nominal Outer Shield DC Resistance

DCR @ 20°C (Ohm/1000 ft)
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

Voltage

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.

Revision Number: 1 Revision Date: 04-17-2008

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