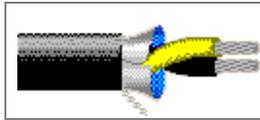


89182 Twinax - Twinaxial Cable



For more Information
please call

1-800-Belden1



Description

22 AWG stranded (19x34) tinned copper conductors, foam FEP Teflon® insulation, Duofoil® (100% coverage) plus a stranded tinned copper drain wire, FEP Teflon 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	Dia. (in.)
Teflon®	FFEP - Foam Fluorinated Ethylene Propylene	0.278

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 Jacket:

Outer Jacket Material

Outer Jacket Trade Name	Outer Jacket Material
Teflon®	FEP - Fluorinated Ethylene Propylene

Overall Cabling:

Overall Nominal Diameter: .307 in.

Pair:

Pair Color Code Chart

Number	Color
1	Black & Yellow

Pair Lay Length & Direction

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

Mechanical Characteristics (Overall):

Operating Temperature Range	-70°C To +200°C
Bulk Cable Weight:	48.700 lbs/1000 ft.
Max. Recommended Pulling Tension:	28 lbs.
Min. Bend Radius (Install):	3.500 in.

Applicable Specifications and Agency Compliance (Overall):

Applicable Standards:

NEC/(UL) Specification CMP, CL2P

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CEC/C(UL) Specification	CMP
EU RoHS Compliant (Y/N)	Yes
EU RoHS Compliance Date (mm/dd/yyyy)	04/01/2005

Flame Test:

UL Flame Test	NFPA 262
C(UL) Flame Test	FT6

Plenum/Non-Plenum:

Plenum (Y/N)	Y
Non-Plenum Number	9182

Electrical Characteristics (Overall):

Nom. Characteristic Impedance

Impedance (Ohm)
150.000

Nom. Inductance

Inductance (µH/ft)
0.290

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

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 (CMP)
150 V RMS (CL2P)

Nominal Outer Shield DC Resistance

DCR @ 20°C (Ohm/1000 ft)
6.300

Notes (Overall):

Notes Teflon® is a registered trademark of E. I. duPont de Nemours and Co. used under license by Belden, Inc. Other Maximum Continuous Currents: 2.9 Amps per conductor @ 25°C

PUT UPS AND COLORS:

Item #	Putup	Ship Weight	Jacket Color	Notes	Item Desc
89182 010100	100 FT	6.400 LB	BLACK	C	2 #22 FFEP FS FEP BLK
89182 0101000	1,000 FT	49.000 LB	BLACK	C	2 #22 FFEP FS FEP BLK
89182 010500	500 FT	28.000 LB	BLACK	C	2 #22 FFEP FS FEP BLK

Notes:

C = CRATE REEL PUT-UP.

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

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