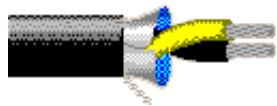


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**89182**



**Twinax - Twinaxial Cable**

22 AWG stranded (19x34) tinned copper conductors, foam FEP Teflon® insulation, Duofoil® (100% coverage) plus a stranded tinned copper drain wire, FEP Teflon jacket.

**For more Information  
Please call**

**1-800-Belden1**



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### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
89182 0085000	5,000 FT	255.000 LB	GRAY	C	2 #22 FFEP FS FEP
89182 0101000	1,000 FT	53.000 LB	BLACK	C	2 #22 FFEP FS FEP
89182 010500	500 FT	28.000 LB	BLACK	C	2 #22 FFEP FS FEP
89182 0105000	5,000 FT	255.000 LB	BLACK		2 #22 FFEP FS FEP
89182 0605000	5,000 FT	0.000	CHROME		2 #22 FFEP FS FEP

**Notes:**

C = CRATE REEL PUT-UP.

### Physical Characteristics (Overall)

#### Conductor

**AWG:**

# Pairs	AWG	Stranding	Conductor Material	Dia. (in.)
1	22	19x34	TC - Tinned Copper	.031

**Total Number of Conductors:** 2

#### Insulation

**Insulation Material:**

Insulation Trade Name	Insulation Material	Dia. (in.)

Teflon®

FFEP - Foam Fluorinated Ethylene Propylene .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 Cable**

Overall Nominal Diameter: 0.307 in.

**Pair****Pair Color Code Chart:**

Number	Color
1	Black & Yellow

**Pair Lay Length & Direction:**

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

**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/Minor Axis: 3.500 in.

**Applicable Specifications and Agency Compliance (Overall)****Applicable Standards & Environmental Programs**

CEC/C(UL) Specification: CMP  
 EU Directive 2011/65/EU (ROHS II): Yes  
 EU Directive 2000/53/EC (ELV): Yes  
 EU Directive 2002/95/EC (RoHS): Yes  
 EU RoHS Compliance Date (mm/dd/yyyy): 04/01/2005  
 EU Directive 2002/96/EC (WEEE): Yes  
 EU Directive 2003/11/EC (BFR): Yes  
 CA Prop 65 (CJ for Wire & Cable): Yes

MII Order #39 (China RoHS): Yes

### Flame Test

UL Flame Test: NFPA 262

C(UL) Flame Test: FT6

### Plenum/Non-Plenum

Plenum (Y/N): Yes

Non-Plenum Number: 9182

## Electrical Characteristics (Overall)

### Nom. Characteristic Impedance:

Impedance (Ohm)

150

### Nom. Inductance:

Inductance ( $\mu\text{H}/\text{ft}$ )

0.29

### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

8.8

### Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)

16.5

### Nominal Velocity of Propagation:

VP (%)

78

### Nominal Delay:

Delay (ns/ft)

1.3

### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

14.0

### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

6.3

### Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
1	0.4
10	1.2

50	2.7
100	4.3
200	6.2
400	8.8

**Max. Operating Voltage - UL:**

Voltage
300 V RMS (CMP)
150 V RMS (CL2P)

## Notes (Overall)

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

Close

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