




## 89182 Twinax - Twinaxial Cable

		<p>For more information please call <b>1-800-Belden1</b></p> <p><u>See Put-ups and Colors</u></p>
---	--	---

**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:**

**CONDUCTOR:**

Number of Pairs	1
Total Number of Conductors	2
AWG	22
Stranding	19x34
Conductor Diameter	.031 in.
Conductor Material	TC - Tinned Copper

**INSULATION:**

Insulation Material Trade Name	Teflon®
Insulation Material	FFEP - Foam Fluorinated Ethylene Propylene
Insulation Diameter	.278 in.

**PAIR:**

Pair Lay Length & Direction :

Lay Length (in.)	Direction	Twists/ft (twist/ft)
3	Left Hand	4

Pair Diameter .278 in.

Pair Color Code Chart :

Number	Color
1	Black & Yellow

**OUTER SHIELD:**

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

**OUTER SHIELD DRAIN WIRE :**

Outer Shield Drain Wire AWG	22
-----------------------------	----



**89182 Twinax - Twinaxial Cable**

Outer Shield Drain Wire Stranding	19x34
Outer Shield Drain Wire Conductor Material	TC - Tinned Copper

**OUTER JACKET:**

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

**OVERALL NOMINAL DIAMETER:**

Overall Nominal Diameter	.307 in.
--------------------------	----------

**MECHANICAL CHARACTERISTICS:**

Operating Temperature Range	-70°C To +200°C
Bulk Cable Weight	48.7 lbs/1000 ft.
Max. Recommended Pulling Tension	28 lbs.
Min. Bend Radius (Install)	3.5 in.

**APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:**

**APPLICABLE STANDARDS:**

NEC/(UL) Specification	CMP, CL2P
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:**

Nom. Characteristic Impedance	150 Ohms
Nom. Inductance	0.29 µH/ft
Nom. Capacitance Conductor to Conductor @ 1 KHz	8.8 pF/ft
Nom. Cap. Cond. to Other Cond. & Shield @ 1 KHz	16.5 pF/ft
Nominal Velocity of Propagation	78 %
Nominal Delay	1.3 ns/ft
Nom. Conductor DC Resistance @ 20 Deg. C	14.0 Ohms/1000 ft
Nominal Outer Shield DC Resistance	6.3 Ohms/1000 ft
Nom. Attenuation :	

**89182 Twinax - Twinaxial Cable**

Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Nom. 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 300 V RMS (CMP), 150 V RMS (CL2P)

Other Maximum Continuous Currents 2.9 Amps per conductor @ 25°C

**NOTES:**

Notes Teflon® is a registered trademark of E. I. duPont de Nemours and Co. used under license by Belden, Inc.

**PUT-UPS AND COLORS:**

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
89182 010100	2 #22 FFEP FS FEP	100	6.4	BLACK	C
89182 0101000	2 #22 FFEP FS FEP	1000	53	BLACK	C
89182 010500	2 #22 FFEP FS FEP	500	28	BLACK	C

C = CRATE REEL PUT-UP.

Revision Number: 1      Revision Date: 09-09-2005

© 2006 Belden Wire & Cable Company  
All Rights Reserved.

Although Belden Electronics Division ("Belden") makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden CDT Electronics Division believes this product to be in compliance with the following environmental regulations: California Proposition 65 Consent Judgment For Wire & Cable Mfgs.(San Francisco Superior Court Nos. 312962 And 320342); EU RoHS (Directive 2002/95/EC, 27-Jan-2003);Material manufactured prior to the compliance date may still be in stock at Belden facilities and in our Distributor's inventory. EU ELV (Directive 2000/53/EC, 18-Sept-2000); EU WEEE (Directive 2002/96/EC, 27-Jan-2003); And EU BFR (Directive 2003/11/EC, 6-Feb-2003). The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information and belief at the date of its publication. The information provided in the Product Disclosure is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. This Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.