

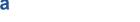
	89272 Twinax - 78 Ohm Twinax
	For more Information please call 1-800-Belden1
Description	
78 ohm, 20 AWG stranded (7x28) .038" tinned (93% coverage), FEP Teflon® jacket.	l copper conductors, plenum, FEP Teflon® insulation, tinned copper braid shield
Physical Characteristics (Overall):	
Conductor: AWG	
# Pairs AWG Stranding Conductor Mater   1.000 20 7x28 TC - Tinned Copp	
Insulation: Insulation Material	
Ins Trade Name Ins Material   Teflon® FEP - Fluorinated Ethylene F	Dia. (in.)Propylene0.074
Outer Shield: Outer Shield Material	
TypeOuter Shield Material% Coverage (%BraidTC - Tinned Copper93	%)
Outer Jacket: Outer Jacket Material	
Outer Jacket Trade Name Outer Jacket Ma   Teflon® FEP - Fluorinated	iterial Ethylene Propylene
Overall Cabling: Overall Nominal Diameter:	.198 in.
Pair: Pair Color Code Chart	
NumberColor1Clear & Blue	
Mechanical Characteristics (Overall):	
Operating Temperature Range	-70°C To +200°C
Bulk Cable Weight:	32 lbs/1000 ft.
Max. Recommended Pulling Tension:	68 lbs.

# Applicable Specifications and Agency Compliance (Overall):

Min. Bend Radius (Install):

Applicable Standards:	СМР
NEC/(UL) Specification	-
CEC/C(UL) Specification	CMP
EU CE Mark (Y/N)	No
EU RoHS Compliant (Y/N)	Yes
EU RoHS Compliance Date (mm/dd/yyyy)	04/01/2005
lame Test:	
UL Flame Test	NFPA 262

2 in.





## 89272 Twinax - 78 Ohm Twinax

C(UL) Flame Test	FT6	
Suitability:		
Suitability - Indoor	Yes	
Suitability - Outdoor	Yes	
Suitability - Aerial	Yes	
Suitability - Burial	Yes	
Plenum/Non-Plenum:		
Plenum (Y/N)	Y	
Non-Plenum Number	9272	

# **Electrical Characteristics (Overall):**

Nom. Characteristic Impedance

npedance (Ohm)	
78.000	

Nom. Inductance

Ir

Inductance (µH/ft)



Nom. Capacitance Conductor to Conductor



Nominal Velocity of Propagation



Nominal Delay



Nom. Conductor DC Resistance

DCR @ 20°C (Ohm/1000 ft)

9.500

#### Nom. Attenuation

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Attenuation (dB/100 ft.)
	1.000			0.600
	10.000			2.100
	50.000			5.000
	100.000			7.500
	200.000			11.000
	400.000			16.000

Max. Operating Voltage - UL

Voltage 300 V RMS

Max. Operating Voltage - Non-UL

Voltage

600 V RMS

Nominal Outer Shield DC Resistance

DCR @ 20°C (Ohm/1000 ft)

3.900

### Notes (Overall):

Notes Teflon® is a registered trademark of E. I. duPont de Nemours and Co. used under license by Belden, Inc. Suitable for aerial applications when supported by a messenger wire.

# PUT UPS AND COLORS:



#### 89272 Twinax - 78 Ohm Twinax

Item #	Putup	Ship Weight	Jacket Color	Notes	Item Desc
89272 0061000	1,000 FT	38.000 LB	BLUE, LIGHT	С	2#20 FEP BRD FEP 78 OHM BLULT
89272 006500	500 FT	17.000 LB	BLUE, LIGHT	С	2#20 FEP BRD FEP 78 OHM BLULT

#### Notes:

C = CRATE REEL PUT-UP.

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

© 2007 Belden, Inc All Rights Reserved.

Although 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 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; and China Ministry of Information Industry order#39 (China RoHS). EU ELV (Directive 2000/53/EC, 18-Sept-2000); EU WEEE (Directive 2002/96/EC, 27-Jan-2003); 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.