

**9272 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:**

20 AWG stranded (7x28) .038" tinned copper conductors, polyethylene insulation, tinned copper braid shield (93% Coverage), PVC jacket.

**PHYSICAL CHARACTERISTICS:**

**CONDUCTOR:**

Number of Pairs	1
Total Number of Conductors	2
AWG	20
Stranding	7x28
Conductor Diameter	.038 in.
Conductor Material	TC - Tinned Copper

**INSULATION:**

Insulation Material	PE - Polyethylene
---------------------	-------------------

**PAIR:**

Pair Lay Length & Direction :

Lay Length (in.)	Direction	Twists/ft (twist/ft)
		4.1

Pair Diameter	.156 in.
---------------	----------

Pair Color Code Chart :

Number	Color
1	Clear & Blue

**OUTER SHIELD:**

Outer Shield Type	Braid
Outer Shield Material	TC - Tinned Copper
Outer Shield % Coverage	93 %

**OUTER JACKET:**

Outer Jacket Material	PVC - Polyvinyl Chloride
-----------------------	--------------------------

**OVERALL NOMINAL DIAMETER:**

Overall Nominal Diameter	.244 in.
--------------------------	----------

**MECHANICAL CHARACTERISTICS:**

## 9272 Twinax - Twinaxial Cable

Operating Temperature Range	-20°C To +60°C
UL Temperature Rating	60°C (UL AWM Style 2092)
Bulk Cable Weight	39 lbs/1000 ft.
Max. Recommended Pulling Tension	68 lbs.
Min. Bend Radius (Install)	2.5 in.

### APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

#### APPLICABLE STANDARDS:

NEC/(UL) Specification	CM
CEC/C(UL) Specification	CM
AWM Specification	UL Style 2092 (300 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
---------------	-------------------

#### PLENUM/NON-PLENUM:

Plenum (Y/N)	N
Plenum Number	89272

#### ELECTRICAL CHARACTERISTICS:

Nom. Characteristic Impedance	78 Ohms
Nom. Inductance	.020 µH/ft
Nom. Capacitance Conductor to Conductor @ 1 KHz	19.7 pF/ft
Nominal Velocity of Propagation	66 %
Nominal Delay	1.54 ns/ft
Nom. Conductor DC Resistance @ 20 Deg. C	9.5 Ohms/1000 ft
Nominal Outer Shield DC Resistance	3.4 Ohms/1000 ft

#### Nom. Attenuation :

Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Nom. Attenuation (dB/100 ft.)
	1			0.6
	10			2.1
	50			5.0
	100			7.5
	200			11.0
	400			16.0

Max. Operating Voltage - UL	300 V RMS (UL AWM Style 2092)
-----------------------------	-------------------------------

#### PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
------	-------------	--------------	--------------------	--------------	-------

**9272 Twinax - Twinaxial Cable**

9272 006100	78 OHM TWINAX	100	4.5	BLUE, LIGHT	
9272 0061000	78 OHM TWINAX	1000	41	BLUE, LIGHT	C
9272 006500	78 OHM TWINAX	500	18.5	BLUE, LIGHT	C
9272 006U1000	78 OHM TWINAX	U1000	39	BLUE, LIGHT	
9272 006U500	78 OHM TWINAX	U500	20	BLUE, LIGHT	

C = CRATE REEL PUT-UP.

Revision Number: 2      Revision Date: 06-08-2006

© Copyright 2006 Belden, Inc  
All Rights Reserved.

Although Belden ("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. 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.

Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.