

# Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION

**BELDEN**  
SENDING ALL THE RIGHT SIGNALS

**9272 Twinax - Twinaxial Cable**

For more Information  
please call

1-800-Belden1



## General Description:

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

## Physical Characteristics (Overall)

### Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material	Dia. (in.)
1	20	7x28	TC - Tinned Copper	.038

Total Number of Conductors: 2

### Insulation

Insulation Material:

Insulation Material	Wall Thickness (in.)
PE - Polyethylene	0.019

### Outer Shield

Outer Shield Material:

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

### Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	0.033

### Overall Cable

Overall Nominal Diameter: 0.244 in.

### Pair

Pair Color Code Chart:

Number	Color
1	Clear & Blue

## Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +60°C

UL Temperature Rating: 60°C (UL AWM Style 2092)

Bulk Cable Weight: 37 lbs/1000 ft.

Max. Recommended Pulling Tension: 68 lbs.

Min. Bend Radius/Minor Axis: 2.500 in.

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

NEC/(UL) Specification: CM

CEC/C(UL) Specification: CM

AWM Specification: UL Style 2092 (300 V 60°C)

EU Directive 2011/65/EU (ROHS II): Yes

EU CE Mark: Yes

EU Directive 2000/53/EC (ELV): Yes

EU Directive 2002/95/EC (RoHS): Yes

EU RoHS Compliance Date (mm/dd/yyyy): 01/01/2004

EU Directive 2002/96/EC (WEEE): Yes

EU Directive 2003/11/EC (BFR): Yes

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CA Prop 65 (CJ for Wire & Cable):

Yes

MII Order #39 (China RoHS):

Yes

### Flame Test

UL Flame Test:

UL1685 UL Loading

### Plenum/Non-Plenum

Plenum (Y/N):

No

Plenum Number:

89272

### Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)  
78

Nom. Inductance:

Inductance ( $\mu$ H/ft)  
.020

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)  
19.7

Nominal Velocity of Propagation:

VP (%)  
66

Nominal Delay:

Delay (ns/ft)  
1.54

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)  
9.5

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)  
3.4

Nom. Attenuation:

Freq. (MHz)	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:

Voltage  
300 V RMS

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9272 006U1000	1,000 FT	39.000 LB	BLUE, LIGHT		78 OHM TWINAX
9272 006U500	500 FT	20.000 LB	BLUE, LIGHT		78 OHM TWINAX
9272 006100	100 FT	4.500 LB	BLUE, LIGHT		78 OHM TWINAX
9272 0061000	1,000 FT	41.000 LB	BLUE, LIGHT	C	78 OHM TWINAX
9272 006500	500 FT	20.500 LB	BLUE, LIGHT	C	78 OHM TWINAX

#### Notes:

C = CRATE REEL PUT-UP.

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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.

# Mouser Electronics

Authorized Distributor

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