

9272 Twinax - Twinaxial Cable



For more Information  
please call

1-800-Belden1



## 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.)
1.000	20	7x28	TC - Tinned Copper	0.038

### Insulation:

Insulation Material

Ins Material
PE - Polyethylene

### Outer Shield:

Outer Shield Material

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

### Outer Jacket:

Outer Jacket Material

Outer Jacket Material
PVC - Polyvinyl Chloride

### Overall Cabling:

Overall Nominal Diameter: .244 in.

### Pair:

Pair Color Code Chart

Number	Color
1	Clear & Blue

Pair Lay Length & Direction

Lay Length (in.)	Lay Length	Twists/ft. (twist/ft)
		4.100

## Mechanical Characteristics (Overall):

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):	2.500 in.

## Applicable Specifications and Agency Compliance (Overall):

### Applicable Standards:

NEC/UL) Specification	CM
CEC/C(UL) Specification	CM
AWM Specification	UL Style 2092 (300 V 60°C)

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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 (Overall):**

Nom. Characteristic Impedance

Impedance (Ohm)
78.000

Nom. Inductance

Inductance (μH/ft)
0.020

Nom. Capacitance Conductor to Conductor

Capacitance (pF/ft)
19.700

Nominal Velocity of Propagation

VP (%)
66

Nominal Delay

Delay (ns/ft)
1.540

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 (UL AWM Style 2092)

Nominal Outer Shield DC Resistance

DCR @ 20°C (Ohm/1000 ft)
3.400

**PUT UPS AND COLORS:**

Item #	Putup	Ship Weight	Jacket Color	Notes	Item Desc
9272 006100	100 FT	4.500 LB	BLUE, LIGHT		78 OHM TWINAX BLULT
9272 0061000	1,000 FT	41.000 LB	BLUE, LIGHT	C	78 OHM TWINAX BLULT
9272 006500	500 FT	18.500 LB	BLUE, LIGHT	C	78 OHM TWINAX BLULT
9272 006U1000	1,000 FT	39.000 LB	BLUE, LIGHT		78 OHM TWINAX BLULT
9272 006U500	500 FT	20.000 LB	BLUE, LIGHT		78 OHM TWINAX BLULT

**Notes:**

C = CRATE REEL PUT-UP.

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