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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	20	7x28	TC - Tinned Copper	.038

### Insulation

#### Insulation Material:

Insulation 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: 0.244 in.

## Pair

### Pair Color Code Chart:

Number	Color
1	Clear & Blue

### Pair Lay Length & Direction:

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

## 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)/Minor Axis: 2.500 in.

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

NEC/(UL) Specification: CM

CEC/C(UL) Specification: CM

<b>AWM Specification:</b>	UL Style 2092 (300 V 60°C)
<b>EU CE Mark:</b>	Yes
<b>EU Directive 2000/53/EC (ELV):</b>	Yes
<b>EU Directive 2002/95/EC (RoHS):</b>	Yes
<b>EU RoHS Compliance Date (mm/dd/yyyy):</b>	01/01/2004
<b>EU Directive 2002/96/EC (WEEE):</b>	Yes
<b>EU Directive 2003/11/EC (BFR):</b>	Yes
<b>CA Prop 65 (CJ for Wire &amp; Cable):</b>	Yes
<b>MII Order #39 (China RoHS):</b>	Yes

### Flame Test

<b>UL Flame Test:</b>	UL1685 UL Loading
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### Plenum/Non-Plenum

<b>Plenum (Y/N):</b>	No
<b>Plenum Number:</b>	89272

## Electrical Characteristics (Overall)

### Nom. Characteristic Impedance:

Impedance (Ohm)

78

### Nom. Inductance:

Inductance (µH/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 (UL AWM Style 2092)

## Put Ups and Colors:

## 9272 Twinax - Twinaxial Cable

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	18.500 LB	BLUE, LIGHT	C	78 OHM TWINAX

**Notes:**

C = CRATE REEL PUT-UP.

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