## **Detailed Specifications & Technical Data**

METRIC MEASUREMENT VERSION



### 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:

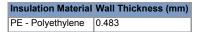
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# Pairs	AWG	Stranding	<b>Conductor Material</b>	Dia. (mm)
1	20	7x28	TC - Tinned Copper	0.9652

Total Number of Conductors: 2

### Insulation

**Insulation Material:** 



#### **Outer Shield**

**Outer Shield Material:** 

	Outer Shield Material	_ , ,
Braid	TC - Tinned Copper	93

### **Outer Jacket**

**Outer Jacket Material:** 

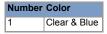
Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.838

### **Overall Cable**

Overall Nominal Diameter: 6.198 mm

#### **Pair**

### Pair Color Code Chart:



## **Mechanical Characteristics (Overall)**

Operating Temperature Range:	-20°C To +60°C	
UL Temperature Rating:	60°C (UL AWM Style 2092)	
Bulk Cable Weight:	55.063 Kg/Km	
Max. Recommended Pulling Tension:	302.478 N	
Min. Bend Radius/Minor Axis:	63.500 mm	

### **Applicable Specifications and Agency Compliance (Overall)**

### **Applicable Standards & Environmental Programs**

F			
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		

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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
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 (µH/m) 0.06562

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m) 64.6357

Nominal Velocity of Propagation:

**VP (%)** 66

**Nominal Delay:** 

**Delay (ns/m)** 5.05274

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km) 31.1695

**Nominal Outer Shield DC Resistance:** 

DCR @ 20°C (Ohm/km) 11.1554

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
1	1.9686
10	6.8901
50	16.405
100	24.6075
200	36.091
400	52.496

Max. Operating Voltage - UL:

Voltage 300 V RMS

### **Put Ups and Colors:**

Item#   Putup   Ship Weight   Color   Notes   Item Desc	
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## **Detailed Specifications & Technical Data**

#### METRIC MEASUREMENT VERSION



### 9272 Twinax - Twinaxial Cable

9272 006U1000	305 MT	17.690 KG	BLUE, LIGHT		78 OHM TWINAX
9272 006U500	152 MT	9.072 KG	BLUE, LIGHT		78 OHM TWINAX
9272 006100	30 MT	2.041 KG	BLUE, LIGHT		78 OHM TWINAX
9272 0061000	305 MT	18.597 KG	BLUE, LIGHT	С	78 OHM TWINAX
9272 006500	152 MT	9.299 KG	BLUE, LIGHT	С	78 OHM TWINAX

#### Notes:

C = CRATE REEL PUT-UP.

Revision Number: 3 Revision Date: 10-16-2012

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