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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. (mm)
1	20	7x28	TC - Tinned Copper	0.9652

Total Number of Conductors: 2

### Insulation

#### Insulation Material:

Insulation Material	Wall Thickness (mm)
PE - Polyethylene	0.483

### 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 (mm)
PVC - Polyvinyl Chloride	0.838

### Overall Cable

Overall Nominal Diameter: 6.198 mm

### 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:	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

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
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

### Flame Test

UL Flame Test:	UL1685 UL Loading
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### 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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## 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	C	78 OHM TWINAX
9272 006500	152 MT	9.299 KG	BLUE, LIGHT	C	78 OHM TWINAX

**Notes:**

C = CRATE REEL PUT-UP.

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