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## 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

### 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:** 6.198 mm

### Pair

**Pair Color Code Chart:**

Number	Color
1	Clear & Blue

**Pair Lay Length & Direction:**

Lay Length (cm)	Lay Length Twists/ft. (twist/m)
	13.4521

## Mechanical Characteristics (Overall)

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

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

**Bulk Cable Weight:** 58.040 Kg/Km

**Max. Recommended Pulling Tension:** 302.478 N

**Min. Bend Radius (Install)/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 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 (UL AWM Style 2092)

## Related Documents:

No related documents are available for this product

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
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	8.391 KG	BLUE, LIGHT	C	78 OHM TWINAX

**Notes:**

C = CRATE REEL PUT-UP.

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