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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. (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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