

**9271 Twinax - Twinaxial Cable**



For more Information  
please call  
  
1-800-Belden1



**Description**

25 AWG stranded (7x33) tinned copper conductors, polyethylene insulation, Beldfoil® shield (100% coverage), stranded tinned copper drain wire, PVC jacket.

**Physical Characteristics (Overall):**

**Conductor:**

AWG

# Pairs	AWG	Stranding	Conductor Material	Dia. (in.)
1.000	25	7x33	TC - Tinned Copper	0.021

**Insulation:**

Insulation Material

Ins Material	Dia. (in.)
PE - Polyethylene	0.083

**Outer Shield:**

Outer Shield Material

Outer Shield Trade Name	Type	Outer Shield Material	% Coverage (%)
Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100

Outer Shield Drain Wire AWG

AWG	Stranding	Drain Wire Conductor Material
22	7x30	TC - Tinned Copper

**Outer Jacket:**

Outer Jacket Material

Outer Jacket Material
PVC - Polyvinyl Chloride

**Overall Cabling:**

Overall Nominal Diameter: .240 in.

**Pair:**

Pair Color Code Chart

Number	Color
1	Blue & Clear

**Mechanical Characteristics (Overall):**

Operating Temperature Range	-20°C To +60°C
UL Temperature Rating	60°C (UL AWM Style 2092)
Bulk Cable Weight:	25 lbs/1000 ft.
Max. Recommended Pulling Tension:	17 lbs.
Min. Bend Radius (Install):	2.500 in.

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

**Applicable Standards:**

NEC/(UL) Specification	CM
CEC/C(UL) Specification	CM
AWM Specification	UL Style 2092 (300 V 60°C)

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EU CE Mark (Y/N)	Yes
EU RoHS Compliant (Y/N)	Yes
EU RoHS Compliance Date (mm/dd/yyyy)	01/01/2004

**Flame Test:**

UL Flame Test	UL 1685 UL Loading
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**Plenum/Non-Plenum:**

Plenum (Y/N)	N
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**Electrical Characteristics (Overall):**

Nom. Characteristic Impedance

<b>Impedance (Ohm)</b>
124.000

Nom. Inductance

<b>Inductance (µH/ft)</b>
0.188

Nom. Capacitance Conductor to Conductor

<b>Capacitance (pF/ft)</b>
12.200

Nom. Capacitance Cond. to Other Conductor & Shield

<b>Capacitance (pF/ft)</b>
22.000

Nominal Velocity of Propagation

<b>VP (%)</b>
66

Nominal Delay

<b>Delay (ns/ft)</b>
1.540

Nom. Conductor DC Resistance

<b>DCR @ 20°C (Ohm/1000 ft)</b>
31.800

Nom. Attenuation

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Attenuation (dB/100 ft.)
	1.000			0.600
	10.000			1.700
	50.000			3.600
	100.000			5.000
	200.000			6.900
	400.000			9.600

Max. Operating Voltage - UL

<b>Voltage</b>
300 V RMS (UL AWM Style 2092)

Nominal Outer Shield DC Resistance

<b>DCR @ 20°C (Ohm/1000 ft)</b>
12.000

**PUT UPS AND COLORS:**

Item #	Putup	Ship Weight	Jacket Color	Notes	Item Desc
9271 006100	100 FT	3.200 LB	BLUE, LIGHT		TW PR FS PVC BLULT
9271 0061000	1,000 FT	28.000 LB	BLUE, LIGHT	C	TW PR FS PVC BLULT
9271 006500	500 FT	12.500 LB	BLUE, LIGHT	C	TW PR FS PVC BLULT

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9271 006U1000	1,000 FT	27.000 LB	BLUE, LIGHT	TW PR FS PVC BLULT
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**Notes:**

C = CRATE REEL PUT-UP.

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