Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



9271 Twinax - Twinaxial Cable

For more Information please call

1-800-Belden1



General 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. (mm)
ı	1	25	7x33	TC - Tinned Copper	0.5334

Total Number of Conductors: 2

Insulation

Insulation Material:

Insulation Material	Wall Thickness (mm)
PE - Polyethylene	0.787

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:

		Drain Wire Conductor Material		
22	7x30	TC - Tinned Copper		

Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.889

Overall Cable

Overall Nominal Diameter: 6.096 mm

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:	37.205 Kg/Km	
Max. Recommended Pulling Tension:	75.619 N	
Min. Bend Radius/Minor Axis:	63.500 mm	

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CM
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EC/C(UL) Specification:	СМ		
VM Specification:	UL Style 2092 (300 V 60°C)		
J Directive 2011/65/EU (ROHS II):	Yes		
J CE Mark:	Yes		
J Directive 2000/53/EC (ELV):	Yes		
J Directive 2002/95/EC (RoHS):	Yes		
J RoHS Compliance Date (mm/dd/yyyy):	01/01/2004		
J Directive 2002/96/EC (WEEE):	Yes		
J Directive 2003/11/EC (BFR):	Yes		
A Prop 65 (CJ for Wire & Cable):	Yes		
l Order #39 (China RoHS):	Yes		
Test			
- Flame Test:	UL1685 UL Loading		
m/Non-Plenum			
enum (Y/N):	No		

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:



Nom. Inductance:



Nom. Capacitance Conductor to Conductor:



Nom. Capacitance Cond. to Other Conductor & Shield:



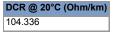
Nominal Velocity of Propagation:



Nominal Delay:



Nom. Conductor DC Resistance:



Nominal Outer Shield DC Resistance:



Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
1	1.9686
10	5.5777
50	11.8116
100	16.405
200	22.6389
400	31.4976

Max. Operating Voltage - UL:

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Voltage	Description		
300 V RMS	UL AWM Style 2092		

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9271 006U1000	1,000 FT	27.000 LB	BLUE, LIGHT		TW PR FS PVC
9271 006100	100 FT	3.200 LB	BLUE, LIGHT		TW PR FS PVC
9271 0061000	1,000 FT	28.000 LB	BLUE, LIGHT	С	TW PR FS PVC
9271 006500	500 FT	14.000 LB	BLUE, LIGHT	С	TW PR FS PVC

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 3 Revision Date: 04-04-2017

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