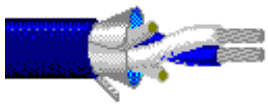
9271 Twinax - Twinaxial Cable



For more information please call
1-800-Belden1

See Put-ups and Colors

Description:

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

PHYSICAL CHARACTERISTICS:

CONDUCTOR:

Number of Pairs	1
Total Number of Conductors	2
AWG	25
Stranding	7x33
Conductor Diameter	.021 in.
Conductor Material	TC - Tinned Copper

INSULATION:

Insulation Material	PE - Polyethylene
Insulation Diameter	.083 in.

PAIR:

Pair Diameter	.170 in.

Pair Color Code Chart :

Number	Color
1	Blue & Clear

OUTER SHIELD:

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

OUTER SHIELD DRAIN WIRE :

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

OUTER JACKET:

Outer Jacket Material	PVC - Polyvinyl Chloride

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OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	.240 in.

MECHANICAL CHARACTERISTICS:

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)	2.5 in.

APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

APPLICABLE STANDARDS:

NEC/(UL) Specification	CM
CEC/C(UL) Specification	CM
AWM Specification	UL Style 2092 (300 V 60°C)
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	UL1685 UL Loading

PLENUM/NON-PLENUM:

Plenum (Y/N)	N

ELECTRICAL CHARACTERISTICS:

Nom. Characteristic Impedance	124 Ohms
Nom. Inductance	0.188 µH/ft
Nom. Capacitance Conductor to Conductor @ 1 KHz	12.2 pF/ft
Nom. Cap. Cond. to Other Cond. & Shield @ 1 KHz	22.0 pF/ft
Nominal Velocity of Propagation	66 %
Nominal Delay	1.54 ns/ft
Nom. Conductor DC Resistance @ 20 Deg. C	31.8 Ohms/1000 ft
Nominal Outer Shield DC Resistance	12 Ohms/1000 ft

Nom. Attenuation :

Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Nom. Attenuation (dB/100 ft.)
	1			0.6
	10			1.7
	50			3.6
	100			5.0
	200			6.9
	400			9.6

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Max. Operating Voltage - UL	300 V RMS (UL AWM Style 2092)

PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
9271 006100	TW PR FS PVC	100	2.5	BLUE, LIGHT	
9271 0061000	TW PR FS PVC	1000	28	BLUE, LIGHT	C
9271 006500	TW PR FS PVC	500	12.5	BLUE, LIGHT	C
9271 006U1000	TW PR FS PVC	U1000	27	BLUE, LIGHT	

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 09-09-2005