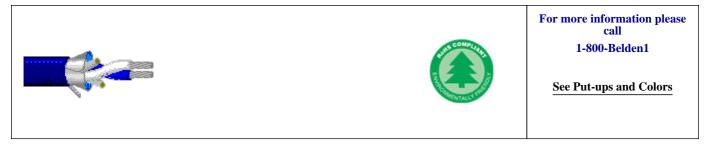


BELDENCable^{**}

9271 Twinax - Twinaxial Cable



Description:

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

PHYSICAL CHARACTERISTICS:

Outer Shield Drain Wire Conductor Material

OUTER JACKET:

CONDUCTOR:

Number of Pairs	1				
Total Number of Conductors	2				
AWG	25	25			
Stranding	7x33	7x33			
Conductor Diameter	.021 in.	.021 in.			
Conductor Material	TC - Tinned	TC - Tinned Copper			
INSULATION:					
Insulation Material	PE - Polyethy	PE - Polyethylene			
Insulation Diameter	.083 in.	.083 in.			
PAIR:					
Pair Diameter	.170 in.	.170 in.			
Pair Color Code Chart :					
Number		Color			
1		Blue & Clear			
OUTER SHIELD:					
Outer Shield Trade Name	Beldfoil®	Beldfoil®			
Outer Shield Type	Tape	Таре			
Outer Shield Material	Aluminum F	Aluminum Foil-Polyester Tape			
Outer Shield %Coverage	100 %	100 %			
OUTER SHIELD DRAIN WIRE :					
Outer Shield Drain Wire AWG	22	22			
Outer Shield Drain Wire Stranding	7x30	7x30			

TC - Tinned Copper

Detailed Specifications & Technical Data



9271 Twinax - Twinaxial Cable

Outer Jacket Material	PVC - Polyvinyl Chloride				
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	СМ				
CEC/C(UL) Specification	СМ				
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)	Ν				
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 :					



BELDENCable[™]

9271 Twinax - Twinaxial Cable

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

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	3.2	BLUE, LIGHT	
9271 0061000	TW PR FS PVC	1000	28	BLUE, LIGHT	С
9271 006500	TW PR FS PVC	500	12.5	BLUE, LIGHT	С
9271 006U1000	TW PR FS PVC	U1000	27	BLUE, LIGHT	

C = CRATE REEL PUT-UP.

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