



9272 Twinax - Twinaxial Cable

 	For more information please call 1-800-Belden1 <u>See Put-ups and Colors</u>
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Description:

20 AWG stranded (7x28) .038" tinned copper conductors, polyethylene insulation, tinned copper braid shield (93% Coverage), PVC jacket.

PHYSICAL CHARACTERISTICS:

CONDUCTOR:

Number of Pairs	1
Total Number of Conductors	2
AWG	20
Stranding	7x28
Conductor Diameter	.038 in.
Conductor Material	TC - Tinned Copper

INSULATION:

Insulation Material	PE - Polyethylene
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PAIR:

Pair Lay Length & Direction :

Lay Length (in.)	Direction	Twists/ft (twist/ft)
		4.1

Pair Diameter	.156 in.
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Pair Color Code Chart :

Number	Color
1	Clear & Blue

OUTER SHIELD:

Outer Shield Type	Braid
Outer Shield Material	TC - Tinned Copper
Outer Shield %Coverage	93 %

OUTER JACKET:

Outer Jacket Material	PVC - Polyvinyl Chloride
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OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	.244 in.
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MECHANICAL CHARACTERISTICS:

Operating Temperature Range	-20°C To +60°C
UL Temperature Rating	60°C (UL AWM Style 2092)
Bulk Cable Weight	39 lbs/1000 ft.
Max. Recommended Pulling Tension	68 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
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PLENUM/NON-PLENUM:

Plenum (Y/N)	N
Plenum Number	89272

ELECTRICAL CHARACTERISTICS:

Nom. Characteristic Impedance	78 Ohms
Nom. Inductance	.020 µH/ft
Nom. Capacitance Conductor to Conductor @ 1 KHz	19.7 pF/ft
Nominal Velocity of Propagation	66 %
Nominal Delay	1.54 ns/ft
Nom. Conductor DC Resistance @ 20 Deg. C	9.5 Ohms/1000 ft
Nominal Outer Shield DC Resistance	3.4 Ohms/1000 ft

Nom. Attenuation :

Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Nom. Attenuation (dB/100 ft.)
	1			0.6
	10			2.1
	50			5.0
	100			7.5
	200			11.0
	400			16.0

Max. Operating Voltage - UL	300 V RMS (UL AWM Style 2092)
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PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
9272 006100	78 OHM TWINAX	100	4.5	BLUE, LIGHT	
9272 0061000	78 OHM TWINAX	1000	41	BLUE, LIGHT	C
9272 006500	78 OHM TWINAX	500	18.5	BLUE, LIGHT	C
9272 006U1000	78 OHM TWINAX	U1000	39	BLUE, LIGHT	
9272 006U500	78 OHM TWINAX	U500	20	BLUE, LIGHT	

C = CRATE REEL PUT-UP.

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