

89272 Twinax - 78 Ohm Twinax



For more Information
 please call
 1-800-Belden1



Description

78 ohm, 20 AWG stranded (7x28) .038" tinned copper conductors, plenum, FEP Teflon® insulation, tinned copper braid shield (93% coverage), FEP Teflon® jacket.

Physical Characteristics (Overall):

Conductor:

AWG

# Pairs	AWG	Stranding	Conductor Material	Dia. (in.)
1.000	20	7x28	TC - Tinned Copper	0.038

Insulation:

Insulation Material

Ins Trade Name	Ins Material	Dia. (in.)
Teflon®	FEP - Fluorinated Ethylene Propylene	0.074

Outer Shield:

Outer Shield Material

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

Outer Jacket:

Outer Jacket Material

Outer Jacket Trade Name	Outer Jacket Material
Teflon®	FEP - Fluorinated Ethylene Propylene

Overall Cabling:

Overall Nominal Diameter: .198 in.

Pair:

Pair Color Code Chart

Number	Color
1	Clear & Blue

Mechanical Characteristics (Overall):

Operating Temperature Range	-70°C To +200°C
Bulk Cable Weight:	32 lbs/1000 ft.
Max. Recommended Pulling Tension:	68 lbs.
Min. Bend Radius (Install):	2 in.

Applicable Specifications and Agency Compliance (Overall):

Applicable Standards:

NEC/(UL) Specification	CMP
CEC/C(UL) Specification	CMP
EU CE Mark (Y/N)	No
EU RoHS Compliant (Y/N)	Yes
EU RoHS Compliance Date (mm/dd/yyyy)	04/01/2005

Flame Test:

UL Flame Test	NFPA 262
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C(UL) Flame Test FT6

Suitability:

Suitability - Indoor Yes

Suitability - Outdoor Yes

Suitability - Aerial Yes

Suitability - Burial Yes

Plenum/Non-Plenum:

Plenum (Y/N) Y

Non-Plenum Number 9272

Electrical Characteristics (Overall):

Nom. Characteristic Impedance

Impedance (Ohm)
 78.000

Nom. Inductance

Inductance (μH/ft)
 0.200

Nom. Capacitance Conductor to Conductor

Capacitance (pF/ft)
 18.400

Nominal Velocity of Propagation

VP (%)
 69.500

Nominal Delay

Delay (ns/ft)
 1.460

Nom. Conductor DC Resistance

DCR @ 20°C (Ohm/1000 ft)
 9.500

Nom. Attenuation

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Attenuation (dB/100 ft.)
	1.000			0.600
	10.000			2.100
	50.000			5.000
	100.000			7.500
	200.000			11.000
	400.000			16.000

Max. Operating Voltage - UL

Voltage
 300 V RMS

Max. Operating Voltage - Non-UL

Voltage
 600 V RMS

Nominal Outer Shield DC Resistance

DCR @ 20°C (Ohm/1000 ft)
 3.900

Notes (Overall):

Notes Teflon® is a registered trademark of E. I. duPont de Nemours and Co. used under license by Belden, Inc. Suitable for aerial applications when supported by a messenger wire.

PUT UPS AND COLORS:

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Item #	Putup	Ship Weight	Jacket Color	Notes	Item Desc
89272 0061000	1,000 FT	38.000 LB	BLUE, LIGHT	C	2#20 FEP BRD FEP 78 OHM BLULT
89272 006500	500 FT	17.000 LB	BLUE, LIGHT	C	2#20 FEP BRD FEP 78 OHM BLULT

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 05-14-2007

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