



89272 Twinax - Electronic Twinax - 78 Ohm



For more information please
call

1-800-Belden1

See Put-ups and Colors

Description:

78 Ohm twinaxial cable, 20AWG stranded (7x28) tinned copper, FEP insulation, tinned copper braid shield 93%, FEP 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 Trade Name	Teflon®
Insulation Material	FEP - Fluorinated Ethylene Propylene
Insulation Diameter	.074 in.

PAIR:

Pair Diameter	.148 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 Trade Name	Teflon®
Outer Jacket Material	FEP - Fluorinated Ethylene Propylene

OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	.198 in.
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MECHANICAL CHARACTERISTICS:

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:

APPLICABLE STANDARDS:

NEC/(UL) Specification	CMP
CEC/C(UL) Specification	CMP

FLAME TEST:

UL Flame Test	NFPA 262
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:

Nom. Characteristic Impedance	78 Ohms
Nom. Inductance	0.200 µH/ft
Nom. Capacitance Conductor to Conductor @ 1 KHz	18.4 pF/ft
Nominal Velocity of Propagation	69.5 %
Nominal Delay	1.46 ns/ft
Nom. Conductor DC Resistance @ 20 Deg. C	9.5 Ohms/1000 ft
Nominal Outer Shield DC Resistance	3.9 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



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Max. Operating Voltage - UL	300 V RMS
Max. Operating Voltage - Non-UL	600 V RMS

NOTES:

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.
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PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
89272 0061000	2#20 FEP BRD FEP 78 OHM	1000	38	BLUE, LIGHT	C
89272 006500	2#20 FEP BRD FEP 78 OHM	500	19	BLUE, LIGHT	C

C = CRATE REEL PUT-UP.

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