



9272

Twinax - Twinaxial Cable



Description

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

Put Ups and Colours

Item #	Putup	Ship Weight	Jacket Colour	Notes	Item Description
9272 006100	100 FT	4.500 LB	BLUE, LIGHT		78 OHM TWINAX BLULT
9272 0061000	1,000 FT	41.000 LB	BLUE, LIGHT	C	78 OHM TWINAX BLULT
9272 006500	500 FT	18.500 LB	BLUE, LIGHT	C	78 OHM TWINAX BLULT
9272 006U1000	1,000 FT	39.000 LB	BLUE, LIGHT		78 OHM TWINAX BLULT
9272 006U500	500 FT	20.000 LB	BLUE, LIGHT		78 OHM TWINAX BLULT

Notes:

C = Create Reel Put-up

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 Material
PE – Polyethylene

Outer Shield - Outer Shield Material

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

Outer Jacket – Outer Jacket Material

Outer Jacket Material
PVC – Polyvinylchloride

Overall Cabling – Overall Nominal Diameter: 0.244 in.

Pair Colour Code Chart

Number	Colour
1	Clear & Blue

Pair Lay Length & Direction

Lay Length (In.)	Lay Length	Twists/ft. (twist/ft)
		4.100

Mechanical Characteristics (overall)

Operating Temperature Range	-20°C to +60°C
UL Temperature Range	60°C (UL AWM Style 2092)
Bulk Cable Weight	39 lbs/1000ft
Max. Recommended Pulling Tension	68 lbs
Min. Bend Radius (Install)/Minor Axis	2.500 In.

Applicable Specifications and Agency Compliance (overall)

Application

NEC (UL) Specification	CM
CEC/C (UL) Specification	CM
AWM Specification	UL Style 2092 (300 V 60°C)
EU CE Mark	
EU RoHS Compliant (commence date: dd/mm/yyyy)	(01/01/2004)

Flame Test

UL Flame Test	UL 1685 UL Loading
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Plenum/Non-Plenum

Plenum	89272
Plenum Number	

Electrical Characteristics (overall)**Nom. Characteristics Impedance**

Impedance (Ohm)
78.000

Nom. Inductance

Inductance (μ H/ft)
0.020

Nom. Capacitance Conductor to Conductor

Capacitance (pF/ft)
19.700

Nominal Velocity of Propagation

VP (%)
66

Nominal Delay

Delay (ns/ft)
1.540

Nominal Conductor DC Resistance

DCR @ 20°C (Ohm/1000 ft)
9.500

Nominal Outer Shield DC Resistance

DCR @ 20°C (Ohm/1000 ft)
3.400

Nominal Attenuation

Description	Freq. (MHz)	Start Freq. (MHz)	End 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			16.700

Max. Operating Voltage – UL

Voltage
300 V RMS (UL AWM Style 2092)