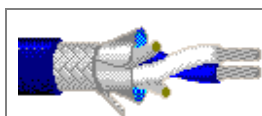


**3072F Twinax - DataTray® 600V Twinaxial Cable**



For more Information  
please call  
  
1-800-Belden1



**Description**

18 AWG stranded (7x26) tinned copper conductors, flame-retardant polyolefin insulation, overall Beldfoil® (100% coverage) plus a tinned copper braid shield (55% coverage), sunlight resistant PVC jacket.

**Physical Characteristics (Overall):**

**Conductor:**

AWG

# Pairs	AWG	Stranding	Conductor Material	Dia. (in.)
1.000	18	7x26	TC - Tinned Copper	0.046

**Insulation:**

Insulation Material

Ins Material	Dia. (in.)
FRPO - Flame Retardant Polyolefin	0.096

**Outer Shield:**

Outer Shield Material

Layer #	Outer Shield Trade Name	Type	Outer Shield Material	% Coverage (%)
1	Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100
2		Braid	TC - Tinned Copper	55

Outer Shield Drain Wire AWG

AWG	Stranding	Drain Wire Conductor Material
20	7x28	TC - Tinned Copper

Outer Shield Drain Wire Diameter .038

**Outer Jacket:**

Outer Jacket Material

Outer Jacket Material
PVC - Polyvinyl Chloride

**Overall Cabling:**

Overall Nominal Diameter: .324 in.

**Pair:**

Pair Color Code Chart

Number	Color
1	Natural
2	Blue

**Mechanical Characteristics (Overall):**

Operating Temperature Range -40°C To +75°C

UL Temperature Rating 75°C Dry

Bulk Cable Weight: 48 lbs/1000 ft.

Max. Recommended Pulling Tension: 85 lbs.

Min. Bend Radius (Install)/Minor Axis: 3.250 in.

**Applicable Specifications and Agency Compliance (Overall):**

**Applicable Standards:**

NEC/(UL) Specification CMG, PLTC, ITC, TC

**3072F Twinax - DataTray® 600V Twinaxial Cable**

CEC/C(UL) Specification	CMG
EU CE Mark (Y/N)	Yes
EU RoHS Compliant (Y/N)	Yes
EU RoHS Compliance Date (mm/dd/yyyy)	10/13/2005
PMSHA Specification	P-MSHA-C-7K-1827
<b>Flame Test:</b>	
UL Flame Test	UL1685 FT4 Loading
C(UL) Flame Test	FT1, FT4
<b>Suitability:</b>	
Sunlight Resistance	Yes
<b>Plenum/Non-Plenum:</b>	
Plenum (Y/N)	N

**Electrical Characteristics (Overall):**

Nominal Input Impedance

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Impedance (Ohm)
	1.000			78.000

Nom. Inductance

Inductance (µH/ft)
0.120

Nom. Mutual Capacitance

Capacitance (pF/ft)
19.500

Nominal Velocity of Propagation

VP (%)
64.500

Nominal Delay

Delay (ns/ft)
1.580

Nom. Conductor DC Resistance

DCR @ 20°C (Ohm/1000 ft)
6.900

Nominal Outer Shield DC Resistance

DCR @ 20°C (Ohm/1000 ft)
3.200

Nom. Attenuation

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Attenuation (dB/100 ft.)
	1.000			0.520
	10.000			1.980
	50.000			3.780
	100.000			5.350
	200.000			7.570
	400.000			10.700

Max. Operating Voltage - UL

Voltage
600 V RMS (NEC Type TC)

**Notes (Overall):**

Notes For CPE jacketed version order Part No. YM45044.

**PUT UPS AND COLORS:**

**3072F Twinax - DataTray® 600V Twinaxial Cable**

Item #	Putup	Ship Weight	Jacket Color	Notes	Item Desc
3072F C551000	1,000 FT	69.000 LB	BLUE, CAIRO	C	#18 FS PR FRPP SH PVC BLUCAI
3072F C5510000	10,000 FT	710.000 LB	BLUE, CAIRO	C N	#18 FS PR FRPP SH PVC BLUCAI
3072F C55250	250 FT	17.500 LB	BLUE, CAIRO	C	#18 FS PR FRPP SH PVC BLUCAI
3072F C552500	2,500 FT	170.000 LB	BLUE, CAIRO	C	#18 FS PR FRPP SH PVC BLUCAI
3072F C55500	500 FT	35.000 LB	BLUE, CAIRO	C N	#18 FS PR FRPP SH PVC BLUCAI
3072F C555000	5,000 FT	345.000 LB	BLUE, CAIRO	C	#18 FS PR FRPP SH PVC BLUCAI

**Notes:**

C = CRATE REEL PUT-UP.

N = FINAL PUT-UP LENGTH MAY VARY -0% TO +10% FROM LENGTH SHOWN.

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