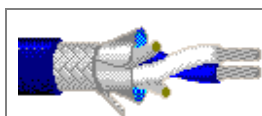


**3074F Twinax - DataTray® 600V Twinaxial Cable**



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	0.164

**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: .460 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: 89.600 lbs/1000 ft.

Max. Recommended Pulling Tension: 93 lbs.

Min. Bend Radius (Install): 4.500 in.

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

**Applicable Standards:**

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

**3074F 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

**Flame Test:**

UL Flame Test	UL1685 FT4 Loading
C(UL) Flame Test	FT1, FT4

**Suitability:**

Sunlight Resistance	Yes
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**Plenum/Non-Plenum:**

Plenum (Y/N)	N
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**Electrical Characteristics (Overall):**

Nominal Input Impedance

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Impedance (Ohm)
	1.000			120.000

Nom. Inductance

<b>Inductance (µH/ft)</b>
0.180

Nom. Mutual Capacitance

<b>Capacitance (pF/ft)</b>
12.300

Nominal Velocity of Propagation

<b>VP (%)</b>
64.500

Nominal Delay

<b>Delay (ns/ft)</b>
1.580

Nom. Conductor DC Resistance

<b>DCR @ 20°C (Ohm/1000 ft)</b>
6.900

Nom. Attenuation

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Attenuation (dB/100 ft.)
	1.000			0.340
	10.000			1.070
	50.000			2.390
	100.000			3.380
	200.000			4.780
	400.000			6.760

Max. Operating Voltage - UL

<b>Voltage</b>
600 V RMS (NEC Type TC)

Nominal Outer Shield DC Resistance

<b>DCR @ 20°C (Ohm/1000 ft)</b>
2.830

**Notes (Overall):**

Notes CPE Jacket Optional.

**PUT UPS AND COLORS:**

Item #	Putup	Ship Weight	Jacket Color	Notes	Item Desc
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**3074F Twinax - DataTray® 600V Twinaxial Cable**

3074F C551000	1,000 FT	121.000 LB	BLUE, CAIRO	C	#18 FSPR FRPP SH PVC BLUCAI
3074F C552500	2,500 FT	300.000 LB	BLUE, CAIRO	C	#18 FSPR FRPP SH PVC BLUCAI
3074F C55500	500 FT	62.500 LB	BLUE, CAIRO	C	#18 FSPR FRPP SH PVC BLUCAI

**Notes:**

C = CRATE REEL PUT-UP.

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

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