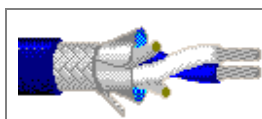


3074F Twinax - DataTray® 600V Twinaxial Cable



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

Insulation 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: 0.460 x 0.000 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)/Minor Axis: 4.500 in.

Applicable Specifications and Agency Compliance (Overall):

Applicable Standards:

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

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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
Plenum/Non-Plenum:	
Plenum (Y/N)	N

Electrical Characteristics (Overall):

Nominal Input Impedance

Freq. (MHz)	Impedance (Ohm)
1.000	124.000

Nom. Inductance

Inductance (µH/ft)
0.180

Nom. Mutual Capacitance

Capacitance (pF/ft)
12.300

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)
2.830

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

Voltage
600 V RMS (NEC Type TC)

Notes (Overall):

Notes CPE Jacket Optional.

PUT UPS AND COLORS:

Item #	Putup	Ship Weight	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.

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