


3073F Twinax - DataTray® - 600V

	<p>For more information please call 1-800-Belden1</p> <p><u>See Put-ups and Colors</u></p>
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Description:

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

PHYSICAL CHARACTERISTICS:

CONDUCTOR:

Number of Pairs	1
Total Number of Conductors	2
AWG	18
Stranding	7x26
Conductor Diameter	.046 in.
Conductor Material	TC - Tinned Copper

INSULATION:

Insulation Material	FRPO - Flame Retardant Polyolefin
Insulation Diameter	.123 in.

PAIR:

Pair Diameter	.246 in.
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Pair Color Code Chart :

Number	Color
1	Natural
2	Blue

OUTER SHIELD:

Outer Shield Trade Name	Beldfoil®
Outer Shield Type	Tape/Braid

Outer Shield Material :

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

Outer Shield % Coverage	100 %
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OUTER SHIELD DRAIN WIRE :



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Outer Shield Drain Wire AWG	20
Outer Shield Drain Wire Stranding	7x28
Outer Shield Drain Wire Diameter	.038 in.
Outer Shield Drain Wire Conductor Material	TC - Tinned Copper

OUTER JACKET:

Outer Jacket Material	PVC - Polyvinyl Chloride
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OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	.388 in.
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MECHANICAL CHARACTERISTICS:

Operating Temperature Range	-40°C To +75°C
UL Temperature Rating	75°C Dry
Bulk Cable Weight	61 lbs/1000 ft.
Max. Recommended Pulling Tension	90 lbs.
Min. Bend Radius (Install)	4 in.

APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

APPLICABLE STANDARDS:

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

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:

Nominal Input Impedance :

Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Nominal Input Impedance (Ohms)
	1			100

Nom. Inductance	.15 µH/ft
Nom. Mutual Capacitance @ 1 KHz	15.3 pF/ft
Nominal Velocity of Propagation	64.5 %
Nominal Delay	1.58 ns/ft
Nom. Conductor DC Resistance @ 20 Deg. C	6.9 Ohms/1000 ft

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Nominal Outer Shield DC Resistance 2.9 Ohms/1000 ft

Nom. Attenuation :

Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Nom. Attenuation (dB/100 ft.)
	1			.41
	10			1.33
	50			2.97
	100			4.20
	200			5.95
	400			7.52

Max. Operating Voltage - UL 600 V RMS (NEC Type TC)

NOTES:

Notes CPE Jacket Optional.

PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
3073F C551000	#18 FS PR FRPP SH PVC	1000	85	BLUE, CAIRO	C
3073F C55250	#18 FS PR FRPP SH PVC	250	21	BLUE, CAIRO	C
3073F C555000	#18 FS PR FRPP SH PVC	5000	420	BLUE, CAIRO	C N

C = CRATE REEL PUT-UP.

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

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