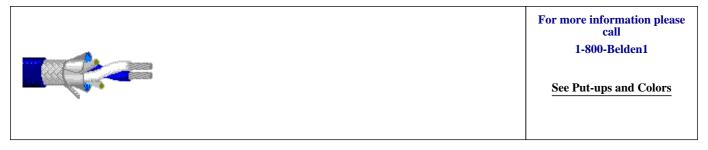


BELDENCable**

3073F Twinax - DataTray® - 600V



Description:

18 AWG stranded (7x26) tinned copper conductors, flame-retardant polyolefin insulation, Beldfoill® 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.

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	Туре	Material	% Coverage (%)
1	Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100
2		Braid	TC - Tinned Copper	55

Outer Shield %Coverage 100 %

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

OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter .388 in.

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

PLENUM/NON-PLENUM:

Plenum (Y/N) N

ELECTRICAL CHARACTERISTICS:

Nominal Input Impedance:

Tommar input impedance:				
Description Fi	requency (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		

Detailed Specifications & Technical Data



BELDENCable**

3073F Twinax - DataTray® - 600V

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
	#18 FS PR FRPP SH PVC	1000	85	BLUE, CAIRO	С
3073F C55250	#18 FS PR FRPP SH PVC	250	21	BLUE, CAIRO	С
	#18 FS PR FRPP SH PVC	5000	420	BLUE, CAIRO	CN

C = CRATE REEL PUT-UP.

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

Revision Number: 1 Revision Date: 02-15-2005

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