Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



3074F Twinax - DataTray® 600V Twinaxial Cable

For more Information please call

1-800-Belden1



Description:

وتحتويق

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	18	7x26	TC - Tinned Copper	.046

Insulation

Insulation Material:

Insulation Material	Dia. (in.)
FRPO - Flame Retardant Polyolefii	n .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:

	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 Cable

Overall Nominal Diameter: 0.460 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)/Minor Axis:	4.500 in.

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Applicable Specifications and Agency Compliance (Overall)					
Applicable Standards & Environmental Programs					
NEC/(UL) Specification:	CMG, PLTC, ITC, TC				
CEC/C(UL) Specification:	CMG				
EU CE Mark:	Yes				
EU Directive 2000/53/EC (ELV):	Yes				
EU Directive 2002/95/EC (RoHS):	Yes				
EU RoHS Compliance Date (mm/dd/yyyy):	10/13/2005				
EU Directive 2002/96/EC (WEEE):	Yes				
EU Directive 2003/11/EC (BFR):	Yes				
CA Prop 65 (CJ for Wire & Cable):	Yes				
MII Order #39 (China RoHS):	Yes				
Flame Test					
UL Flame Test:	UL1685 FT4 Loading				
C(UL) Flame Test:	FT1, FT4				
Suitability					
Sunlight Resistance:	Yes				
Plenum/Non-Plenum					

No

Surface Printing (Overall)

Electrical Characteristics (Overall)

Nominal Input Impedance:

Plenum (Y/N):

Freq. (MHz)	Impedance (Ohm)
1.000	124.000

Nom. Inductance:



Nom. Mutual Capacitance:



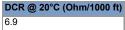
Nominal Velocity of Propagation:



Nominal Delay:



Nom. Conductor DC Resistance:



Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft) 2.83

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
1	.34
10	1.07
50	2.39

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100	3.38	
200	4.78	
400	6.76	

Max. Operating Voltage - UL:

600 V RMS (NEC Type TC)

Notes (Overall)

Notes: CPE Jacket Optional.

Related Documents:

No related documents are available for this product

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
3074F C551000	1,000 FT	118.000 LB	BLUE, CAIRO	С	#18 FSPR FRPP SH PVC
3074F C552500	2,500 FT	300.000 LB	BLUE, CAIRO	С	#18 FSPR FRPP SH PVC
3074F C55500	500 FT	62.500 LB	BLUE, CAIRO	С	#18 FSPR FRPP SH PVC

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 12-12-2008

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