

3074F Twinax - DataTray® 600V Twinaxial Cable

For more Information
please call

1-800-Belden1

**General 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	18	7x26	TC - Tinned Copper	.046

Total Number of Conductors: 2

Insulation

Insulation Material:

Insulation Material	Dia. (in.)
FRPO - Flame Retardant Polyolefin	.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 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/Minor Axis:	4.500 in.

Applicable Specifications and Agency Compliance (Overall)**Applicable Standards & Environmental Programs**

NEC/(UL) Specification:	CMG, PLTC, ITC, TC
CEC/C(UL) Specification:	CMG
EU Directive 2011/65/EU (ROHS II):	Yes
EU CE Mark:	Yes
EU Directive 2000/53/EC (ELV):	Yes

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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

MIL 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

Plenum (Y/N): No

Surface Printing (Overall)

Electrical Characteristics (Overall)

Nominal Input Impedance:

Freq. (MHz)	Impedance (Ohm)
1.000	124.000

Nom. Inductance:

Inductance (µH/ft)
.18

Nom. Mutual Capacitance:

Capacitance (pF/ft)
12.3

Nominal Velocity of Propagation:

VP (%)
64.5

Nominal Delay:

Delay (ns/ft)
1.58

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
6.9

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
100	3.38
200	4.78
400	6.76

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
3074F C551000	1,000 FT	118.000 LB	BLUE, CAIRO	C	#18 FSPR FRPP SH PVC
3074F C552500	2,500 FT	300.000 LB	BLUE, CAIRO	C	#18 FSPR FRPP SH PVC
3074F C55500	500 FT	62.500 LB	BLUE, CAIRO	C	#18 FSPR FRPP SH PVC
3074F C555000	5,000 FT	620.000 LB	BLUE, CAIRO	C N	#18 FS PR FRPP SH PVC

Notes:

ENGLISH MEASUREMENT VERSION

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

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