

3072F 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	.096

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 Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

Overall Cable

Overall Nominal Diameter: 0.324 in.

Pair

Pair Color Code Chart:

Number	Color
1	Natural
2	Blue

Pair Lay Length & Direction:

Lay Length (in.)
1.750

Mechanical Characteristics (Overall)

Operating Temperature Range:	-40°C To +75°C
UL Temperature Rating:	75°C Dry
Bulk Cable Weight:	48 lbs/1000 ft.
Max. Recommended Pulling Tension:	85 lbs.
Min. Bend Radius/Minor Axis:	3.250 in.

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

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

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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

PMSHA Specification: P-MSHA SC-182/7

Flame Test

UL Flame Test: UL1685 UL Loading

C(UL) Flame Test: FT4

IEEE Flame Test: 1202

Suitability

Sunlight Resistance: Yes

Plenum/Non-Plenum

Plenum (Y/N): No

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)

78.000

Nom. Inductance:

Inductance (µH/ft)

.12

Nom. Mutual Capacitance:

Capacitance (pF/ft)

19.5

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)

3.2

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
1	.52
10	1.98
50	3.78
100	5.35
200	7.57
400	10.7

Max. Operating Voltage - UL:

Voltage

600 V RMS (NEC Type TC)

300 V RMS (NEC Type PLTC)

300 V RMS (NEC Type CMG)

Notes (Overall)

Notes: For CPE jacketed version order Part No. YM45044.

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
MD1810 C551000	1,000 FT	69.000 LB	BLUE, CAIRO	C	#18 FS PR FRPP SH PVC

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3072F C551000	1,000 FT	69.000 LB	BLUE, CAIRO	C	#18 FS PR FRPP SH PVC
3072F C5510000	10,000 FT	710.000 LB	BLUE, CAIRO	C N	#18 FS PR FRPP SH PVC
3072F C55250	250 FT	17.500 LB	BLUE, CAIRO	C	#18 FS PR FRPP SH PVC
3072F C552500	2,500 FT	177.500 LB	BLUE, CAIRO	C	#18 FS PR FRPP SH PVC
3072F C55500	500 FT	35.000 LB	BLUE, CAIRO	C N	#18 FS PR FRPP SH PVC
3072F C555000	5,000 FT	345.000 LB	BLUE, CAIRO	C	#18 FS PR FRPP SH PVC

Notes:

C = CRATE REEL PUT-UP.

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

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