

METRIC MEASUREMENT VERSION

3072F Twinax - DataTray® 600V Twinaxial Cable

For more Information
please call

1-800-Belden1



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. (mm)
1	18	7x26	TC - Tinned Copper	1.1684

Total Number of Conductors: 2

Insulation

Insulation Material:

Insulation Material	Dia. (mm)
FRPO - Flame Retardant Polyolefin	2.4384

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: 8.230 mm

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: 71.434 Kg/Km

Max. Recommended Pulling Tension: 378.097 N

Min. Bend Radius/Minor Axis: 82.550 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMG, ITC, PLTC, 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
PMSHA Specification:	P-MSHA-C-7K-1827

Flame Test

UL Flame Test:	UL1685 UL Loading
C(UL) Flame Test:	FT4
IEEE Flame Test:	1202

Suitability

Sunlight Resistance:	Yes
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Plenum/Non-Plenum

Plenum (Y/N):	No
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Electrical Characteristics (Overall)

Nominal Input Impedance:

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Impedance (Ohm)
	1			78

Nom. Inductance:

Inductance (µH/m)	0.39372
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Nom. Mutual Capacitance:

Capacitance (pF/m)	63.9795
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Nominal Velocity of Propagation:

VP (%)	64.5
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Nominal Delay:

Delay (ns/m)	5.18398
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Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)	22.6389
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Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)	10.4992
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Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
1	1.70612
10	6.49638

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50	12.4022
100	17.5533
200	24.8372
400	35.1067

Max. Operating Voltage - UL:

Voltage
600 V RMS (NEC Type TC)

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	305 MT	31.298 KG	BLUE, CAIRO	C	#18 FS PR FRPP SH PVC
3072F C551000	305 MT	31.298 KG	BLUE, CAIRO	C	#18 FS PR FRPP SH PVC
3072F C5510000	3,048 MT	322.052 KG	BLUE, CAIRO	C N	#18 FS PR FRPP SH PVC
3072F C55250	76 MT	7.938 KG	BLUE, CAIRO	C	#18 FS PR FRPP SH PVC
3072F C552500	762 MT	80.513 KG	BLUE, CAIRO	C	#18 FS PR FRPP SH PVC
3072F C55500	152 MT	15.876 KG	BLUE, CAIRO	C N	#18 FS PR FRPP SH PVC
3072F C555000	1,524 MT	156.490 KG	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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