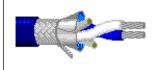


3072F Twinax - DataTray® 600V Twinaxial Cable





For more information please call 1-800-Belden1

See Put-ups and Colors

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:

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	.096 in.

PAIR:

Pair Diameter	.192 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:

Outer Shield Drain Wire AWG	20
Outer Shield Drain Wire Stranding	7x28

Detailed Specifications & Technical Data



3072F Twinax - DataTray® 600V Twinaxial Cable

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 .324 in.

MECHANICAL CHARACTERISTICS:

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 (Install)
3.25 in.

APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

APPLICABLE STANDARDS:

MEG/(III) G 'C' ('	CMC DITC ITC TC
NEC/(UL) Specification	CMG, PLTC, ITC, TC
CEC/C(UL) Specification	CMG
EU CE Mark (Y/N)	Yes
EU RoHS Compliant (Y/N)	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	10/13/2005
PMSHA Specification	P-MSHA-C-7K-1827

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:

Nominal Input Impedance:					
Description Frequency (MHz)		Start Frequency (MHz)	Stop Frequency (MHz)	Nominal Input Impedance (Ohms)	
	1			78	
Nom. Inductance		.12 μH/ft			
Nom. Mutual Capacitance @ 1 KHz		19.5 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			



3072F Twinax - DataTray® 600V Twinaxial Cable

Nominal Outer Shield DC Resistance 3.2 Ohms/1000 ft

Nom. Attenuation:

Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Nom. 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 600 V RMS (NEC Type TC)

NOTES:

Notes For CPE jacketed version order Part No. YM45044.

PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
3072F C551000	#18 FS PR FRPP SH PVC	1000	69	BLUE, CAIRO	С
3072F C5510000	#18 FS PR FRPP SH PVC	10000	710	BLUE, CAIRO	C N
3072F C55250	#18 FS PR FRPP SH PVC	250	17.5	BLUE, CAIRO	С
3072F C552500	#18 FS PR FRPP SH PVC	2500	170	BLUE, CAIRO	С
3072F C55500	#18 FS PR FRPP SH PVC	500	35	BLUE, CAIRO	C N
3072F C555000	#18 FS PR FRPP SH PVC	5000	345	BLUE, CAIRO	С

C = CRATE REEL PUT-UP.

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

Revision Number: 1 Revision Date: 10-21-2005

Detailed Specifications & Technical Data



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