



**Part Number:** 3073F

600V Twinax, (1 pr) 18 AWG (7x26) TC, FRPO/PVC,  
Foil+TC Braid Shld, CMG, TC

## Product Description

One 18 AWG pair stranded (7x26) tinned copper conductors, flame-retardant polyolefin insulation, overall Beldfoil® (100% coverage) plus a tinned copper braid shield (55% coverage), PVC jacket.

## Product Specifications

## Technical Specifications

### Construction and Dimensions

#### Conductor:

AWG	Stranding	Material	Nominal Diameter	No. of Pairs
18	7x26	TC - Tinned Copper	0.046 in	1
<b>Total Number of Conductors:</b>				2

#### Insulation:

Material	Nominal Diameter
FRPO - Flame Retardant Polyolefin	0.123 in

#### Color Chart 1:

Number	Color
1	Natural
2	Blue

#### Stranding:

Diameter
0.246 mm

#### Outershield 1:

Type	Layer	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire Diameter	Drainwire AWG	Drainwire Construction n x D
Tape	1	Aluminum Foil-Polyester Tape	Beldfoil®	100 %	TC - Tinned Copper	0.038 mm	20	7x28 mm
Braid	2	TC - Tinned Copper		55 %				

#### Outerjacket 1:

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.388 in

<b>Print Legend:</b>	BELDEN DATATRAY(R) 3073F E64067 1PR18 SHIELDED (UL) 600V 75C DRY SUN RES TYPE TC OR PLTC OR ITC OR CMG OR C(UL) CMG (2 FT 7 DIGIT SEQUENTIAL NUMBER) FEET
----------------------	---

## Electrical Characteristics

#### Conductor DCR:

Nominal Conductor DCR	Nominal Outer Shield DCR
6.9 Ohm/1000ft	2.9 Ohm/1000ft

#### Capacitance:

Nom.Mutual Capacitance
15.3 pF/ft

#### High Frequency (Nominal/Typical):

Frequency [MHz]	Nom. Insertion Loss
1 MHz	0.41 db/100ft
10 MHz	1.33 db/100ft
50 MHz	2.97 db/100ft
100 MHz	4.2 db/100ft
200 MHz	5.95 db/100ft
400 MHz	7.52 db/100ft

#### Delay:

Nominal Delay	Nominal Velocity of Propagation (VP) [%]
1.58 ns/ft	64.5 %

#### High Freq:

Frequency [MHz]
1 MHz
10 MHz
50 MHz
100 MHz
200 MHz
400 MHz

### Inductance:

Nominal Inductance
0.15 $\mu$ H/ft

### Voltage:

UL Voltage Rating
600 V RMS (NEC Type TC)

### Use

Suitability - Sunlight Resistance:	Yes
Max Recommended Pulling Tension:	90 lbs

### Safety

C(UL) Flammability:	FT1, FT4
UL Flammability:	UL1685 FT4 Loading

### Temperature Range

Operating Temp Range:	-40°C To +75°C
UL Temp Rating:	75°C Dry

### Mechanical Characteristics

Min Bend Radius/Minor Axis:	4 in
-----------------------------	------

### Part Number

Plenum (Y/N):	No
---------------	----

### Standards

CA Prop 65 (CJ for Wire & Cable):	CA Prop 65 (CJ for Wire & Cable)
CEC/C(UL) Specification:	CEC/C(UL) Specification

<b>MII Order #39 (China RoHS):</b>	MII Order #39 (China RoHS)
<b>NEC/(UL) Specification:</b>	NEC/(UL) Specification
<b>EU Directive Compliance:</b>	EU Directive 2003/11/EC (BFR)
<b>EU CE Mark:</b>	EU CE Mark

## History

<b>Notes:</b>	CPE Jacket Optional.
---------------	----------------------

## Product Variants

Part Number	Color	Put-Up Type	Length
3073F C551000	BLUE, CAIRO	Reel	1000 ft
3073F C555000	BLUE, CAIRO	Reel	5000 ft

© 2016 Belden, Inc.

All Rights Reserved

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an 'AS IS' basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be in stock at Belden facilities and in our Distributor's inventory. The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information, and belief at the date of its publication. The information provided in this Product Disclosure is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. This Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.

Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.