



Part Number: 3072F

Blue Hose®, 1 Pr #18 Str TC, PO Ins, OS+TC Brd, PVC Jkt, 600V TC

[Request Sample](#)

Product Description

Blue Hose® for Data Highway Plus, 1 Pair 18AWG (7x26) Tinned Copper, PO Insulation, Overall Beldfoil®+Tinned Copper Braid(55%) Shield, PVC Outer Jacket, 600V TC

Technical Specifications

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Pairs
18	7x26	TC - Tinned Copper	0.046 in	1

Conductor Count:	2
Total Number of Pairs:	1

Insulation

Material	Nominal Diameter	Nominal Wall Thickness
FRPO - Flame Retardant Polyolefin	0.096 in	0.025 in

Color Chart

Number	Color
1	Natural
2	Blue

Outer Shield Material

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

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.324 in	0.053 in

Construction and Dimensions

Stranding

Diameter
0.192 mm

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
6.9 Ohm/1000ft	3.2 Ohm/1000ft

Capacitance

Nom.Mutual Capacitance
19.5 pF/ft

Inductance

Nominal Inductance

0.12 μ H/ft

Impedance

Nominal Characteristic Impedance

78 Ohm

High Frequency (Nominal/Typical)

Frequency [MHz]	Nom. Insertion Loss
1 MHz	0.52 dB/100ft
10 MHz	1.98 dB/100ft
50 MHz	3.78 dB/100ft
100 MHz	5.35 dB/100ft
200 MHz	7.57 dB/100ft
400 MHz	10.7 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

Voltage

UL Voltage Rating
600 V RMS (NEC Type TC)
300 V RMS (NEC Type PLTC & CMG)
300 V RMS (NEC Type CMG)

Electrical Characteristics Notes: Nutual Capacitance: 19.5 pF/ft

Temperature Range

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

Mechanical Characteristics

Bulk Cable Weight:	48 lbs/1000ft
Max Recommended Pulling Tension:	85 lbs
Min Bend Radius/Minor Axis:	3.25 in

Standards

NEC/(UL) Specification:	CMG, ITC, PLTC, TC
CEC/C(UL) Specification:	CMG
PMSHA Specification:	SC-182/7

Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2005-10-13

CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Sunlight Resistance:	Yes
------------------------------------	-----

Flammability, LSOH, Toxicity Testing

C(UL) Flammability:	FT4
UL Flammability:	UL1685 UL Loading
IEEE Flammability:	1202
UL voltage rating:	600 V RMS (NEC Type TC)

Plenum/Non-Plenum

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

Part Number

Variants

Item #	Color	UPC	Length	Footnote
3072F C551000	Blue, Cairo	612825140054	1,000 ft	C
3072F C5510000	Blue, Cairo	612825140061	10,000 ft	C N
3072F C55500	Blue, Cairo	612825140092	500 ft	C N
3072F C555000	Blue, Cairo	612825140108	5,000 ft	C

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

Product Notes

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

History

Update and Revision:	Revision Number: 0.310 Revision Date: 08-22-2019
----------------------	--

© 2019 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 here in 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 "ASIS" 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 all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information 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. The 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.