



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 µH/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

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
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Suitability

Suitability - Sunlight Resistance:	Yes
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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
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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.
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History

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