



Product: [3072F](#)

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

[Request Sample](#)

Product Description

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

Technical Specifications

Product Overview

Suitable Applications:	harsh environment, IIoT, factory or process automation, video, audio, data communication, etc.
------------------------	--

Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Pair(s)	1	18 AWG	7x26	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code	Notes
Pair(s)	PP - Polypropylene	0.025 in (0.64 mm)	0.096 in (2.4 mm)	Blue & White	Flame Retardant

Outer Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	20 AWG (7x28) TC
Braid	Tinned Copper (TC)	55%	

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.053 in (1.3 mm)	0.324 in (8.23 mm)

Table Notes:	Jacket OD +/- 0.006
Overall Cable Diameter (Nominal):	0.324 in (8.23 mm)

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Characteristic Impedence	Nom. Velocity of Prop.	Max. Current
Pair(s)	7.2 Ohm/1000ft	19.5 pF/ft (64.0 pF/m)	78 Ohm	65%	5.2 Amps per Conductor at 25°C

Nom. Outer Shield DCR:	2.1 Ohm/1000ft (6.9 Ohm/km)
------------------------	-----------------------------

High Frequency (Nominal/Typical)

Element	Frequency [MHz]	Nom. Insertion Loss (Attenuation)
Pair(s)	1	0.52 dB/100ft
	10	1.98 dB/100ft
	50	3.78 dB/100ft
	100	5.35 dB/100ft
	200	7.57 dB/100ft
	400	10.7 dB/100ft

Voltage

UL Voltage Rating	Voltage Rating
600 V (TC), 300 V (CMG, PLTC)	150 V (ITC)

Mechanical Characteristics

Temperature

UL Temperature	Operating
75°C	-40°C to +75°C

Bend Radius

Stationary Min.	Installation Min.
3 in (76 mm)	4 in (100 mm)

Max. Pull Tension:	85 lbs (39 kg)
Bulk Cable Weight:	64 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor, Outdoor, Sunlight Resistance
Flammability / Reaction to Fire:	UL 1685 FT4 Loading, FT4, IEEE 1202
CPR Compliance:	CPR Euroclass: Eca
NEC / UL Compliance:	Article 336, Article 725, Article 727, Article 800, TC
CEC / C(UL) Compliance:	CMG
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
UK Regulation Compliance:	UKCA Mark
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Other Standard Compliance(s):	P-MSHA-SC-182/7

Product Notes

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

History

Update and Revision:	Revision Number: 0.573 Revision Date: 02-15-2024
----------------------	--

Part Numbers

Variants

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

© 2024 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.