



**Product:** [3072E](#)

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

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**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**

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

**Conductor**

Element	Number of Element	AWG	Stranding	Material
Pair(s)	1	18	7x26	TC - Tinned Copper

**Insulation**

Element	Material	Thickness [in.]	Color Code	Notes
Pair(s)	PP - Polypropylene	0.025	Blue & White	Flame Retardant

**Outer Shield Material**

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

**Outer Jacket Material**

Material	Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.053 in	0.324 in

Cable Diameter (Nominal): 0.324 in

**Electricals**

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Characteristic Impedance
Pair(s)	6.9 Ohm/1000ft	19.5 pF/ft	78 Ohm

Nom Outer Shield DCR: 3.2 Ohm/1000ft

**High Frequency (Nominal/Typical)**

Element	Frequency [MHz]	Nom. Insertion Loss
Pair(s)	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

**Voltage**

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

**Temperature**

UL Rating	Operating
75°C Dry	-40°C to +75°C

**Bend Radius**

Stationary Min.	Installation Min.
3.25 in	4 in

Max. Pull Tension:	85 lbs
Bulk Cable Weight:	48 lbs/1000ft
Environmental Suitability:	Indoor, Sunlight Resistance
Flammability / Fire Resistance:	UL1685 UL Loading, FT4, FT4, 1202
NEC / UL Compliance:	Article 336, Article 725, Article 727, Article 800, CMG, ITC, PLTC, TC
CEC / C(UL) Compliance:	CMG
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU, EU Directive 2011/65/EU (ROHS II), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Other Standard Compliance(s):	SC-182/7
Notes:	For CPE jacketed version, order Part No. YM45044.
Update and Revision:	Revision Number: 0.361 Revision Date: 08-25-2020

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