



**Part Number: 9463F**

Blue Hose®, 1 Pr #20 Str TC, PO Ins Blu,Wht, OS+TC Brd, PVC Jkt, High Flex CM

[Request Sample](#)

## Product Description

Blue Hose® for Data Highway Plus, 1 Pair 20AWG (42x36) Tinned Copper, PO Insulation Blu,Wht Color Code, Overall Beldfoil®+Tinned Copper Braid(55%) Shield, Blue PVC Outer Jacket, High Flex

## Technical Specifications

### Physical Characteristics (Overall)

#### Conductor

AWG	Stranding	Material	Construction n x D	No. of Pairs
20	42x36	TC - Tinned Copper	Stranded	1

Conductor Count: 2

#### Insulation

Material	Nominal Diameter	Nominal Wall Thickness
FEP - Fluorinated Ethylene Propylene	0.075 in	0.0185 in

#### Outer Shield Material

Type	Layer	Material	Material Trade Name	Coverage [%]
Tape	1	Aluminum/Polyester	Beldfoil®	100 %
Braid	2	TC - Tinned Copper		85 %

#### Outer Jacket Material

Material	Nominal Wall Thickness
FEP - Fluorinated Ethylene Propylene	0.033 in

### Electrical Characteristics

#### Conductor DCR

Nominal Conductor DCR	Outer Conductor DCR
9.5 Ohm/1000ft	5.0 Ohm/1000ft

#### Capacitance

Nom. Capacitance Conductor to Shield
19.7 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	0.6 dB/100ft
10 MHz	2.1 dB/100ft

50 MHz	5.0 dB/100ft
100 MHz	7.5 dB/100ft
200 MHz	11.0 dB/100ft
400 MHz	16.0 dB/100ft

#### Delay

Nominal Delay	Nominal Velocity of Propagation (VP) [%]
1.47 ns/ft	66 %

#### Voltage

UL Voltage Rating
300 V RMS

Electrical Characteristics Notes:	DC Resistance Unbalanced: .77 Ohms/1000 ft Max
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#### Temperature Range

UL Temp Rating:	80°C
Operating Temp Range:	-40°C To 80°C

#### Mechanical Characteristics

Bulk Cable Weight:	34 lbs/1000ft
Max Recommended Pulling Tension:	40 lbs
Min Bend Radius/Minor Axis:	2.5 in

#### Standards

NEC Articles:	800
NEC/(UL) Specification:	CL2, CM
CEC/C(UL) Specification:	CM
UL AWM Style:	2464
CPR Euroclass:	Eca
PMSHA Specification:	P-7K-SC-182141

#### Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	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):	2004-01-01
CA Prop 65 (CJ for Wire & Cable):	Yes

#### Flammability, LS0H, Toxicity Testing

UL Flammability:	UL1685 UL Loading
ISO/IEC Flammability:	IEC 60332-1-2
UL voltage rating:	300 V RMS

#### Plenum/Non-Plenum

Plenum (Y/N):	No
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#### Part Number

#### Variants

Item #	Color	UPC	Footnote
9463F J221000	Strong Blue	612825253716	C

Footnote:	C - CRATE REEL PUT-UP.
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#### Product Notes

Notes:	Includes Drain Wire
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#### History

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