

Part Number: 89463

Blue Hose®, 1 Pr #20 Str TC, FEP Ins Blu,Wht, OS+TC Brd, FEP Jkt, CMP

Request Sample

Product Description

Blue Hose® for Data Highway Plus, 1 Pair 20AWG (7x28) Tinned Copper, FEP Insulation Blu,Wht Color Code, Overall Beldfoil®+Tinned Copper Braid(55%) Shield, Blue FEP Outer Jacket, CMP

Technical Specifications

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Pairs
20	7x28	TC - Tinned Copper	0.038 in	1

Conductor Count:	2

Insulation

Material	Nominal Diameter
FEP - Fluorinated Ethylene Propylene	0.073 in

Color Chart

Number	Color
1	Clear & 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		76 %			

Outer Jacket Material

Material	Nominal Diameter
FEP - Fluorinated Ethylene Propylene	0.203 in

Construction and Dimensions

Stranding

Diameter
0.151 mm

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR	Outer Conductor DCR
9.5 Ohm/1000ft	4.1 Ohm/1000ft	4.1 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Shield
19.7 pF/ft	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 dB/100ft
100 MHz	7.5 dB/100ft
200 MHz	11 dB/100ft
400 MHz	16 dB/100ft

Delay

Nominal Delay	Nominal Velocity of Propagation (VP) [%]
1.47 ns/ft	69 %

High Freq

Frequency [MHz]
1 MHz
10 MHz
50 MHz
100 MHz
200 MHz
400 MHz

Voltage

UL Voltage Rating
300 V RMS

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

Temperature Range

UL Temp Rating:	200°C
Operating Temp Range:	-70°C To +200°C

Mechanical Characteristics

Bulk Cable Weight:	36 lbs/1000ft
Max Recommended Pulling Tension:	48 lbs
Min Bend Radius/Minor Axis:	2.5 in

Standards

Customer Part Number Reference Spec:	Allen Bradley P/N 1770-CD
NEC Articles:	800
NEC/(UL) Specification:	CL2P, CMP
CEC/C(UL) Specification:	CMP
CPR Euroclass:	Eca

Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/11/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):	2005-04-01
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

Flammability, LS0H, Toxicity Testing

C(UL) Flammability:	FT6
UL Flammability:	NFPA 262
ISO/IEC Flammability:	IEC 60332-1-2
UL voltage rating:	300 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	Yes

Part Number

Non-Plenum Number:	9463

Variants

Item #	Color	UPC	Length	Footnote
89463 0061000	Blue, Light	612825220978	1,000 ft	C
89463 0062500	Blue, Light	612825220985	2,500 ft	C

Footnote:	C - CRATE REEL PUT-UP.

Product Notes

Notes:	Includes Drain Wire

History

Update and Revision:	Revision Number: 0.309 Revision Date: 08-22-2019

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