

Part Number: 9463DB

Blue Hose®, 1 Pr #20 Str TC, PO Ins Blu,Wht, OS+TC Brd, PO Jkt, DIR BUR

Request Sample

Product Description

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

Technical Specifications

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	Construction n x D	Nominal Diameter	No. of Pairs
20	7x28	TC - Tinned Copper	Stranded	0.038 in	1

Conductor Count:	2

Insulation

Material	Nominal Diameter	Nominal Wall Thickness
PE - Polyethylene	0.0755 in	0.019 in

Outer Shield Material

Type	Layer	Material	Material Trade Name	Coverage [%]
Tape	1	Aluminum/Polyester	Beldfoil®	100 %
Braid	2	TC - Tinned Copper		55 %

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
FEP - Fluorinated Ethylene Propylene	0.24 in	0.032 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Outer Conductor DCR
9.5 Ohm/1000ft	4.1 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) [%]
1.54 ns/ft	66 %

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

Temperature Range

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

Mechanical Characteristics

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

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 RoHS Compliance Date (yyyy-mm-dd):	2005-10-13
CA Prop 65 (CJ for Wire & Cable):	Yes

Flammability, LS0H, Toxicity Testing

UL voltage rating:	N/A

Plenum/Non-Plenum

Plenum (Y/N):	No

Part Number

Variants

Item #	Color	UPC	Footnote
9463DB S8Y1000	Blue, Uv	612825253693	C
9463DB S8Y5000	Blue, Uv	612825253709	C

Footnote:	C - CRATE REEL PUT-UP.

Product Notes

Notes:	Includes Drain Wire

History

Update and Revision:	Revision Number: 0.205 Revision Date: 08-28-2019

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