



**Part Number:** 89463

Blue Hose®, (1 pr) 20 AWG 7x28) TC, FEP/FEP, Foil Shld, CMP

## Product Description

One 20 AWG pair stranded (7x28) tinned copper conductors, fluorinated ethylene propylene (FEP) insulation, overall Beldfoil® (100% coverage) plus a tinned copper braid shield (76% coverage), fluorinated ethylene propylene (FEP) jacket.

## Product Specifications

## Technical Specifications

### Construction and Dimensions

#### Conductor:

AWG	Stranding	Material	Nominal Diameter	No. of Pairs
20	7x28	TC - Tinned Copper	0.038 in	1
Total Number of Conductors:			2	

#### Insulation:

Material
FEP - Fluorinated Ethylene Propylene

#### Color Chart 1:

Number	Color
1	Clear & Blue

#### Stranding:

Diameter
0.151 mm

Outershield 1:

Type	Layer	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	1	Aluminum Foil-Polyester Tape	Beldfoil®	100 %	TC - Tinned Copper	20	7x28 mm
Braid	2	TC - Tinned Copper		76 %			

Outerjacket 1:

Material	Nominal Diameter
FEP - Fluorinated Ethylene Propylene	0.203 in

Electrical Characteristics

Conductor DCR:

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

Capacitance:

Nom. Capacitance Conductor to Conductor	
19.7 pF/ft	
Other Electrical Characteristic 1:	DC Resistance Unbalanced: .77 Ohms/1000 ft Max

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

### Inductance:

Nominal Inductance
0.12 $\mu$ H/ft

### Voltage:

UL Voltage Rating
300 V RMS

### Use

Max Recommended Pulling Tension:	48 lbs
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### Safety

UL Flammability:	NFPA 262
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### Temperature Range

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

### Mechanical Characteristics

Min Bend Radius/Minor Axis:	2.5 in
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### Part Number

Plenum (Y/N):	Yes
Non-Plenum Number:	9463

### Standards

CA Prop 65 (CJ for Wire & Cable):	CA Prop 65 (CJ for Wire & Cable)
CEC/C(UL) Specification:	CEC/C(UL) Specification
Customer Part Number Reference Spec:	Allen Bradley P/N 1770-CD

MII Order #39 (China RoHS):	MII Order #39 (China RoHS)
NEC/(UL) Specification:	NEC/(UL) Specification
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	EU CE Mark

## History

## Product Variants

Part Number	Color	Put-Up Type	Length
89463 0061000	BLUE, LIGHT	Reel	1000 ft
89463 0062500	BLUE, LIGHT	Reel	2500 ft

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