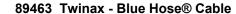
# **Detailed Specifications & Technical Data**

#### METRIC MEASUREMENT VERSION





For more Information please call

1-800-Belden1



# BELSEN SENDING ALL THE SIGHT SIGNALS

# **General Description:**

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

# **Physical Characteristics (Overall)**

#### Conductor

#### AWG:

# Pairs	AWG	Stranding	<b>Conductor Material</b>	Dia. (mm)
1	20	7x28	TC - Tinned Copper	0.9652

Total Number of Conductors:

2

#### Insulation

#### **Insulation Material:**

Insulation Material		
ľ	FEP - Fluorinated Ethylene Propylene	

#### **Outer Shield**

#### **Outer Shield Material:**

Layer # Outer Shield Trade Name		Type	Outer Shield Material	Coverage (%)
1	Beldfoil®		Aluminum Foil-Polyester Tape	100
2		Braid	TC - Tinned Copper	76

#### **Outer Shield Drain Wire AWG:**

AWG	Stranding	<b>Drain Wire Conductor Material</b>
20	7x28	TC - Tinned Copper

#### **Outer Jacket**

### **Outer Jacket Material:**

Outer Jacket Material
FEP - Fluorinated Ethylene Propylene

#### **Overall Cable**

Overall Nominal Diameter: 5.156 mm

#### Pair

#### Pair Color Code Chart:

Number	Color
1	Clear & Blue

# **Mechanical Characteristics (Overall)**

Operating Temperature Range:	-70°C To +200°C
UL Temperature Rating:	200°C
Bulk Cable Weight:	53.575 Kg/Km
Max. Recommended Pulling Tension:	213.514 N
Min. Bend Radius/Minor Axis:	63.500 mm

#### **Applicable Specifications and Agency Compliance (Overall)**

**Applicable Standards & Environmental Programs** 

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# **Detailed Specifications & Technical Data**





#### 89463 Twinax - Blue Hose® Cable

	NEC/(UL) Specification:	CMP, CL2P
	CEC/C(UL) Specification:	CMP FT6
	EU Directive 2011/65/EU (ROHS II):	Yes
	EU CE Mark:	Yes
	EU Directive 2000/53/EC (ELV):	Yes
	EU Directive 2002/95/EC (RoHS):	Yes
	EU RoHS Compliance Date (mm/dd/yyyy):	04/01/2005
	EU Directive 2002/96/EC (WEEE):	Yes
	EU Directive 2003/11/EC (BFR):	Yes
	CA Prop 65 (CJ for Wire & Cable):	Yes
	MII Order #39 (China RoHS):	Yes
	Customer Part Number Reference Specification:	Allen Bradley P/N 1770-CD
Fla	ime Test	
	UL Flame Test:	NFPA 262
Ple	enum/Non-Plenum	
	Plenum (Y/N):	Yes
	Non-Plenum Number:	9463

# **Electrical Characteristics (Overall)**

Nom. Characteristic Impedance:



Nom. Inductance:



Nom. Capacitance Conductor to Conductor:



Nominal Velocity of Propagation:



**Nominal Delay:** 



Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km) 31.1695

**Nominal Outer Shield DC Resistance:** 

DCR @ 20°C (Ohm/km) 13.4521

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
1	1.9686
10	6.8901
50	16.405
100	24.6075
200	36.091
400	52.496

Max. Operating Voltage - UL:

Voltage

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# **Detailed Specifications & Technical Data**

#### METRIC MEASUREMENT VERSION



#### 89463 Twinax - Blue Hose® Cable

300 V RMS

Other Electrical Characteristic 1: DC Resistance Unbalanced: .77 Ohms/1000 ft Max

#### **Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
89463 0061000	1,000 FT	36.000 LB	BLUE, LIGHT	С	2 #20 FEP FS BRD FEP
89463 0062500	2,500 FT	90.000 LB	BLUE, LIGHT	С	2 #20 FEP FS BRD FEP

#### Notes:

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 05-14-2007

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