

For more Information
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1-800-Belden1



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	Conductor Material	Dia. (mm)
1	20	7x28	TC - Tinned Copper	0.9652

Total Number of Conductors: 2

Insulation

Insulation Material:

Insulation Material
FEP - Fluorinated Ethylene Propylene

Outer Shield

Outer Shield Material:

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

Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire Conductor Material
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

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

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89463 Twinax - Blue Hose® Cable

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

Flame Test

UL Flame Test:	NFPA 262
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Plenum/Non-Plenum

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

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)

78

Nom. Inductance:

Inductance (µH/m)

0.39372

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)

64.6357

Nominal Velocity of Propagation:

VP (%)

69

Nominal Delay:

Delay (ns/m)

4.82307

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

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	C	2 #20 FEP FS BRD FEP
89463 0062500	2,500 FT	90.000 LB	BLUE, LIGHT	C	2 #20 FEP FS BRD FEP

Notes:

C = CRATE REEL PUT-UP.

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Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.