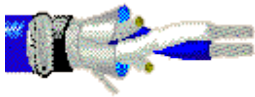


For more Information
please call

1-800-Belden1



General Description:

20 AWG stranded (7x28) tinned copper conductors, polyethylene insulation, overall Beldfoil® (100% coverage) plus a 55% tinned copper braid shield (55% coverage), PVC inner jacket, aluminum interlocked armor, sunlight-resistant PVC outer 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	Dia. (mm)
PE - Polyethylene	1.930

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	55

Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire Conductor Material
20	7x28H	TC - Tinned Copper

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

Outer Jacket Diameter:

Nom. Dia. (mm)
6.045

Outer Jacket over Armor (y/n): Y

Armor

Armor Type: Interlocked

Armor Material: Aluminum

Diameter over Armor: .441

Overall Cable

Overall Nominal Diameter: 13.741 mm

Pair

Pair Color Code Chart:

Number	Color
1	Clear & Blue

Mechanical Characteristics (Overall)

Operating Temperature Range:	-40°C To +60°C
Bulk Cable Weight:	197.931 Kg/Km
Max. Recommended Pulling Tension:	889.640 N
Min. Bend Radius/Minor Axis:	165.100 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CL2, CM
CEC/C(UL) Specification:	CM
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	10/01/2005
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

Flame Test

UL Flame Test:	UL1685 UL Loading
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Suitability

Sunlight Resistance:	Yes
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Plenum/Non-Plenum

Plenum (Y/N):	No
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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

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)
118.116

Nominal Velocity of Propagation:

VP (%)
66

Nominal Delay:

Delay (ns/m)
5.05274

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

METRIC MEASUREMENT VERSION

129463 Twinax - Blue Hose® Cable

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 Unbalance: .77 Ohms/1000 ft Max

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
129463 J221000	1,000 FT	145.000 LB	BLUE, STRONG		9463 ALUM ARMORED PVC
129463 J226000	6,000 FT	894.000 LB	BLUE, STRONG		9463 ALUM ARMORED PVC

Revision Number: 2 Revision Date: 11-12-2012

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