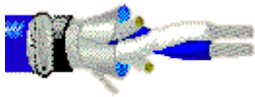


For more Information  
please call

1-800-Belden1



## General Description:

20 AWG stranded (7x28) tinned copper conductors, polyethylene insulation, overall Beldfoil® (100% coverage) plus a tinned copper braid shield (55% coverage), PVC inner jacket, continuously corrugated aluminum 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
PE - Polyethylene

### 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

### Armor

Armor Type: Continuously Corrugated

Armor Material: Aluminum

Diameter over Armor: .415

### Overall Cable

Overall Nominal Diameter: 13.081 mm

### Pair

Pair Color Code Chart:

Number	Color
1	Clear & Blue

## Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +60°C

UL Temperature Rating: 60°C

Bulk Cable Weight: 180.072 Kg/Km

Max. Recommended Pulling Tension:	911.881 N
Min. Bend Radius/Minor Axis:	152.400 mm

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

NEC/(UL) Specification:	PLTC
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

Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes
Suitability - Burial:	Yes
Sunlight Resistance:	Yes

### 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)

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
189463 J222000	2,000 FT	254.000 LB	BLUE, STRONG	C Z	TRANSFER REVIEW

**Notes:**

C = CRATE REEL PUT-UP.

Z = FINAL PUT-UP LENGTH MAY VARY (+ OR -) 10% FOR SPOOLS OR REELS AND(+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN.

Revision Number: 2    Revision Date: 04-22-2013

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