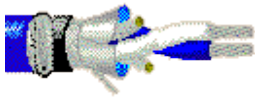


For more Information  
please call

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, steel 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
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	7x28	TC - Tinned Copper

### Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

Outer Jacket Diameter:

Nom. Dia. (mm)
6.0452

Outer Jacket over Armor (y/n): Y

### Armor

Armor Type: Interlocked

Armor Material: Steel

Armor Thickness: .025

Diameter over Armor: .453

### Overall Cable

Overall Nominal Diameter: 14.300 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:	333.357 Kg/Km
Max. Recommended Pulling Tension:	911.881 N
Min. Bend Radius/Minor Axis:	165.100 mm

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CM, CL2
CEC/C(UL) Specification:	CM, CMG FT4, HLBCD
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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### Plenum/Non-Plenum

Plenum (Y/N):	No
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## Electrical Characteristics (Overall)

### Nom. Characteristic Impedance:

Impedance (Ohm)	78
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### Nom. Inductance:

Inductance (µH/m)	0.39372
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### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)	64.6357
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### Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)	118.116
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### Nominal Velocity of Propagation:

VP (%)	66
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### Nominal Delay:

Delay (ns/m)	5.05274
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### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)	31.1695
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### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)	
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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
139463 J221000	1,000 FT	232.000 LB	BLUE, STRONG	C Z	9463 STEEL ARMORED PVC
139463 J226000	6,000 FT	1,434.000 LB	BLUE, STRONG	C Z	9463 STEEL ARMORED PVC

**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.

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