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please call

1-800-Belden1



### General Description:

22 AWG stranded (19x34) tinned copper conductors, Datalene® insulation, Duofoil® (100% Coverage) plus a stranded tinned copper drain wire, PVC jacket.

### Physical Characteristics (Overall)

#### Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material	Dia. (in.)
1	22	19x34	TC - Tinned Copper	.031

Total Number of Conductors: 2

#### Insulation

Insulation Material:

Insulation Trade Name	Insulation Material
Datalene®	FHDPE - Foam High Density Polyethylene

#### Outer Shield

Outer Shield Material:

Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
Duofoil®	Tape	Aluminum Foil-Polyester Tape-Aluminum Foil	100

Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire Conductor Material
22	19x34	TC - Tinned Copper

Outer Shield Drain Wire Diameter: .031

#### Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

#### Overall Cable

Overall Nominal Diameter: 0.345 in.

#### Pair

Pair Color Code Chart:

Number	Color
1	Black & Yellow

Pair Lay Length & Direction:

Lay Length (in.)	Lay Length	Twists (twist/ft)
3.0		4

### Mechanical Characteristics (Overall)

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

Bulk Cable Weight: 41 lbs/1000 ft.

Max. Recommended Pulling Tension: 28 lbs.

Min. Bend Radius/Minor Axis: 3.500 in.

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification: CL2X, CMX

CEC/C(UL) Specification: CMX

AWM Specification: UL Style 2668 (30 V 60°C)

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):	01/01/2004
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

**Flame Test**

UL Flame Test:	VW-1
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**Suitability**

Suitability - Indoor:	Yes
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**Plenum/Non-Plenum**

Plenum (Y/N):	No
Plenum Number:	89182

**Electrical Characteristics (Overall)**

**Nom. Characteristic Impedance:**

<b>Impedance (Ohm)</b>
150

**Nom. Inductance:**

<b>Inductance (µH/ft)</b>
0.293

**Nom. Capacitance Conductor to Conductor:**

<b>Capacitance (pF/ft)</b>
8.8

**Nom. Capacitance Cond. to Other Conductor & Shield:**

<b>Capacitance (pF/ft)</b>
16.5

**Nominal Velocity of Propagation:**

<b>VP (%)</b>
78

**Nominal Delay:**

<b>Delay (ns/ft)</b>
1.3

**Nom. Conductor DC Resistance:**

<b>DCR @ 20°C (Ohm/1000 ft)</b>
17.750

**Nominal Outer Shield DC Resistance:**

<b>DCR @ 20°C (Ohm/1000 ft)</b>
17.750

**Nom. Attenuation:**

Freq. (MHz)	Attenuation (dB/100 ft.)
1	0.4
10	1.2
50	2.7
100	4.3
200	6.2
400	8.8

**Max. Operating Voltage - UL:**

<b>Voltage</b>
300 V RMS (CMX)
30 V RMS (UL AWM Style 2668)
150 V RMS (CL2X)

**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9182 010U500	500 FT	21.500 LB	BLACK		2 #22 FHDPE SHLD PVC
9182 0101000	1,000 FT	44.000 LB	BLACK	C	2 #22 FHDPE SHLD PVC
9182 010500	500 FT	23.000 LB	BLACK	C	2 #22 FHDPE SHLD PVC
9182 0105000	5,000 FT	240.000 LB	BLACK	C	2 #22 FHDPE SHLD PVC

**Notes:**

C = CRATE REEL PUT-UP.

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