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1-800-Belden1

**Description:**

22 awg stranded (7x30) tinned copper, Datalene® insulation, twisted pairs, overall 100% Beldfoil® shield + 90% tinned copper braid, 22 awg stranded TC drain wire, UV resistant PVC jacket.

**Physical Characteristics (Overall)****Conductor****AWG:**

# Conductors	# Pairs	AWG	Stranding	Conductor Material	Dia. (in.)
1	1	22	7x30	TC - Tinned Copper	.030

**Insulation****Insulation Material:**

Insulation Trade Name	Insulation Material
Datalene®	FHDPE - Foam High Density 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	90

**Outer Shield Drain Wire AWG:**

AWG	Stranding	Drain Wire Conductor Material
22	7x30	TC - Tinned Copper

Outer Shield Drain Wire Diameter: .030

**Outer Jacket****Outer Jacket Material:**

Outer Jacket Material
PVC - Polyvinyl Chloride

Outer Jacket over Armor (y/n): y

**Armor**

Armor Type: Aluminum Interlocked

Armor Material: Aluminum

Diameter over Armor: .444

**Overall Cable****Overall Cabling Color Code Chart:**

Number	Color
1	White/ Orange
2	Orange/White
3	Blue/White

Overall Nominal Diameter: 0.534 in.

**Pair****Pair Lay Length & Direction:**

Lay Length (in.)
3.000

**Mechanical Characteristics (Overall)**

Operating Temperature Range:	-20°C To +60°C
Non-UL Temperature Rating:	60°C
Bulk Cable Weight:	149 lbs/1000 ft.
Max. Recommended Pulling Tension:	76 lbs.
Min. Bend Radius (Install)/Minor Axis:	5.500 in.

**Applicable Specifications and Agency Compliance (Overall)****Applicable Standards & Environmental Programs**

CEC/C(UL) Specification:	CM
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	10/13/2005
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

**Flame Test**

UL Flame Test:	UL1685 UL Loading
CSA Flame Test:	FT1

**Plenum/Non-Plenum**

Plenum (Y/N):	No
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**Electrical Characteristics (Overall)****Nom. Capacitance Conductor to Conductor:**

Capacitance (pF/ft)

11.0

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

Capacitance (pF/ft)

21

**Nominal Velocity of Propagation:**

VP (%)

78

**Nom. Conductor DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)

17.5

**Nominal Outer Shield DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)

2.8

**Nom. Attenuation:**

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Attenuation (dB/100 ft.)
	1			.5

**Max. Operating Voltage - UL:**

Voltage

300 V RMS

**Max. Recommended Current:**

Current

2.7 Amps per conductor @ 25°C

## Input/Unfitted Impedance:

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Impedance (Ohm)
	1			120

## Notes (Overall)

**Notes:** Oil Resistance: Passes Oil Res II Per UL1277, Table 10.17

## Related Documents:

No related documents are available for this product

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
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