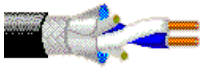


## 9860 Twinax - Twinaxial Cable



For more Information  
please call

1-800-Belden1



### General Description:

16 AWG solid bare copper conductors, foam polyethylene insulation, Duofoil® (100% coverage) plus a tinned copper braid shield (90% coverage), PVC jacket.

### Physical Characteristics (Overall)

#### Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material	Dia. (in.)
1	16	Solid	BC - Bare Copper	.051

Total Number of Conductors: 2

#### Insulation

Insulation Material:

Insulation Material
FPE - Foam Polyethylene

#### Outer Shield

Outer Shield Material:

Layer #	Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
1	Duofoil®	Tape	Aluminum Foil-Polyester Tape-Aluminum Foil	100
2		Braid	TC - Tinned Copper	90

#### Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

#### Overall Cable

Overall Nominal Diameter: 0.440 in.

#### Pair

Pair Color Code Chart:

Number	Color
1	Blue & Clear

### Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +60°C
UL Temperature Rating:	60°C (UL AWM Style 2448)
Bulk Cable Weight:	98 lbs/1000 ft.
Max. Recommended Pulling Tension:	73 lbs.
Min. Bend Radius/Minor Axis:	4.500 in.

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMX
CEC/C(UL) Specification:	CMX
AWM Specification:	UL Style 2448 (300 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
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MII Order #39 (China RoHS):	Yes
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**Flame Test**

UL Flame Test:	UL1685 UL Loading, VW-1
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**Plenum/Non-Plenum**

Plenum (Y/N):	No
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**Electrical Characteristics (Overall)****Nom. Characteristic Impedance:**

Impedance (Ohm)
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124
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**Nom. Inductance:**

Description	Inductance (µH/ft)
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(Loop)	0.240
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**Nom. Capacitance Conductor to Conductor:**

Capacitance (pF/ft)
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10.9
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**Nom. Capacitance Cond. to Other Conductor & Shield:**

Capacitance (pF/ft)
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19.3
------

**Nominal Velocity of Propagation:**

VP (%)
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78
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**Nominal Delay:**

Delay (ns/ft)
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1.30
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**Nom. Conductor DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)
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4.2
-----

**Nominal Outer Shield DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)
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1.3
-----

**Nom. Attenuation:**

Freq. (MHz)	Attenuation (dB/100 ft.)
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1	0.2
---	-----

10	0.7
----	-----

50	1.8
----	-----

100	2.9
-----	-----

200	4.1
-----	-----

400	6.2
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**Max. Operating Voltage - UL:**

Voltage
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30 V RMS (UL AWM Style 2448)
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300 V RMS (CMX)
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**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9860 0101000	1,000 FT	103.000 LB	BLACK	C	2 #16 FPE SHLD PVC
9860 0102000	2,000 FT	202.000 LB	BLACK	C	2 #16 FPE SHLD PVC
9860 010500	500 FT	52.000 LB	BLACK	C	2 #16 FPE SHLD PVC

**Notes:**

C = CRATE REEL PUT-UP.

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