

## 9868 Multi-Conductor - Computer Cables for Synchronous EIA Interface



For more Information  
please call

1-800-Belden1



### General Description:

28 AWG stranded (7x36) tinned copper conductors, Datalene® insulation, individually Beldfoil® shielded conductors plus 28 AWG stranded tinned copper drain wires, overall Beldfoil® shield with a 28 AWG stranded tinned copper drain wire, PVC jacket.

### Physical Characteristics (Overall)

#### Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material
14	28	7x36	TC - Tinned Copper

Total Number of Conductors: 14

#### Insulation

Insulation Material:

Insulation Trade Name	Insulation Material
Datalene®	FPE - Foam Polyethylene

#### Inner Shield

Inner Shield Material:

Inner Shield Trade Name	Type	Inner Shield Material	Coverage (%)
Beldfoil® (Z-Fold®)	Tape	Aluminum Foil-Polyester Tape	100

Inner Shield Drain Wire AWG:

AWG	Stranding	Conductor Material
28	7x36	TC - Tinned Copper

Inner Shield Drain Wire Stranding: Stranded

Inner Shield Drain Wire Conductor Material: TC - Tinned Copper

#### Outer Shield

Outer Shield Material:

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

Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire Conductor Material
28	7x36	TC - Tinned Copper

#### Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

#### Overall Cable

Overall Cabling Color Code Chart:

Number	Color
1	Black w/Blue Shield
2	Brown w/Blue Shield
3	Red w/Blue Shield
4	Orange w/Blue Shield
5	Blue w/Blue Shield
6	Yellow w/Blue Shield
7	Natural w/Blue Shield
8	Black w/Red Shield
9	Brown w/Red Shield
10	Red w/Red Shield
11	Orange w/Red Shield
12	Blue w/Red Shield
13	Yellow w/Red Shield
14	Natural w/Red Shield

## 9868 Multi-Conductor - Computer Cables for Synchronous EIA Interface

Overall Nominal Diameter: 10.008 mm

### Mechanical Characteristics (Overall)

Operating Temperature Range:	-30°C To +60°C
UL Temperature Rating:	60°C (UL AWM Style 2384)
Bulk Cable Weight:	89.292 Kg/Km
Max. Recommended Pulling Tension:	140.118 N
Min. Bend Radius/Minor Axis:	99.060 mm

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CM
AWM Specification:	UL Style 2384 (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):	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

#### Plenum/Non-Plenum

Plenum (Y/N): No

### Electrical Characteristics (Overall)

#### Nom. Characteristic Impedance:

Impedance (Ohm)

65

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

Capacitance (pF/m)

67.2605

#### Nominal Velocity of Propagation:

VP (%)

78

#### Nominal Delay:

Delay (ns/m)

426.53

#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

212.937

#### Nom. Inner Shield DC Resistance:

DCR @ 20°C (Ohm/km)

144.364

#### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)

59.7142

#### Max. Operating Voltage - UL:

Voltage

30 V RMS (UL AWM Style 2384)

#### Max. Recommended Current:

Current

0.35 Amps per conductor @ 25°C

### Notes (Overall)

**Notes:** Individually Beldfoil shielded conductors are isolated from adjacent shields and each has a 28 AWG stranded drain wire. Datalene® insulation features include a low dielectric constant and a low dissipation factor for high-speed, low-distortion data handling. Physical properties include good crush resistance and light weight.

### Put Ups and Colors:

## METRIC MEASUREMENT VERSION

### 9868 Multi-Conductor - Computer Cables for Synchronous EIA Interface

Item #	Putup	Ship Weight	Color	Notes	Item Desc
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