

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



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**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

**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
28

**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	Stranded	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

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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

Overall Nominal Diameter: 0.394 in.

## Mechanical Characteristics (Overall)

Operating Temperature Range:	-30°C To +60°C
UL Temperature Rating:	60°C (UL AWM Style 2384)
Bulk Cable Weight:	60 lbs/1000 ft.
Max. Recommended Pulling Tension:	31.500 lbs.
Min. Bend Radius (Install)/Minor Axis:	3.900 in.

## Applicable Specifications and Agency Compliance (Overall)

## Applicable Standards &amp; Environmental Programs

NEC/(UL) Specification:	CM
AWM Specification:	UL Style 2384 (30 V 60°C)
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
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## Electrical Characteristics (Overall)

## Nom. Characteristic Impedance:

Impedance (Ohm)

65

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

Capacitance (pF/ft)

20.5

## Nominal Velocity of Propagation:

VP (%)

78

## Nominal Delay:

Delay (ns/ft)

1300

## Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

64.9

## Nom. Inner Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

44

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## Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

18.2

## 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.

## 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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