

## 9934 Multi-Conductor - Low-Capacitance Computer Cable for EIA RS-232/423



For more Information  
please call

1-800-Belden1

**Description:**

24 AWG stranded (7x32) TC conductors, Datalene® insulation, overall Beldfoil® (100% coverage) + TC braid shield (65% coverage), drain wire, PVC jacket.

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

| # Conductors | AWG | Stranding | Conductor Material |
|--------------|-----|-----------|--------------------|
| 9            | 24  | 7x32      | TC - Tinned Copper |

Total Number of Conductors: 9

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

| Insulation Trade Name | Insulation Material     | Wall Thickness (in.) |
|-----------------------|-------------------------|----------------------|
| Datalene®             | FPE - Foam Polyethylene | 0.015                |

**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           | 65           |

**Outer Shield Drain Wire AWG:**

| AWG | Stranding | Drain Wire Conductor Material |
|-----|-----------|-------------------------------|
| 24  | Stranded  | TC - Tinned Copper            |

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

| Outer Jacket Material    | Nom. Wall Thickness (in.) |
|--------------------------|---------------------------|
| PVC - Polyvinyl Chloride | 0.035                     |

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

| Number | Color  |
|--------|--------|
| 1      | Black  |
| 2      | White  |
| 3      | Red    |
| 4      | Green  |
| 5      | Brown  |
| 6      | Blue   |
| 7      | Orange |
| 8      | Yellow |
| 9      | Purple |

Overall Nominal Diameter: 0.300 in.

**Mechanical Characteristics (Overall)**

Operating Temperature Range: -30°C To +80°C

UL Temperature Rating: 80°C (UL AWM Style 2919)

Bulk Cable Weight: 44 lbs/1000 ft.

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|                              |       |
|------------------------------|-------|
| Min. Bend Radius/Minor Axis: | 3 in. |
|------------------------------|-------|

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

|                                       |                           |
|---------------------------------------|---------------------------|
| NEC/(UL) Specification:               | CM                        |
| CEC/C(UL) Specification:              | CM                        |
| AWM Specification:                    | UL Style 2919 (30 V 80°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): | 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: | UL1685 UL Loading |
|----------------|-------------------|

**Plenum/Non-Plenum**

|               |    |
|---------------|----|
| Plenum (Y/N): | No |
|---------------|----|

**Electrical Characteristics (Overall)****Nom. Capacitance Conductor to Conductor:**

Capacitance (pF/ft)

12

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

Capacitance (pF/ft)

22

**Nominal Velocity of Propagation:**

VP (%)

78

**Nom. Conductor DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)

24

**Nominal Outer Shield DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)

3.85

**Max. Operating Voltage - UL:**

| Voltage   | Description       |
|-----------|-------------------|
| 30 V RMS  | UL AWM Style 2919 |
| 300 V RMS | CM                |

**Max. Recommended Current:**

Current

1.5 Amps per conductor @ 25°C

**Notes (Overall)**

**Notes:** 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:**

**9934 Multi-Conductor - Low-Capacitance Computer Cable for EIA RS-232/423**

| Item #       | Putup    | Ship Weight | Color  | Notes | Item Desc          |
|--------------|----------|-------------|--------|-------|--------------------|
| 9934 060100  | 100 FT   | 5.200 LB    | CHROME |       | 9 #24 FHDPE SH PVC |
| 9934 0601000 | 1,000 FT | 48.000 LB   | CHROME | C     | 9 #24 FHDPE SH PVC |
| 9934 060500  | 500 FT   | 24.000 LB   | CHROME | C     | 9 #24 FHDPE SH PVC |

**Notes:**

C = CRATE REEL PUT-UP.

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