

**Part Number: 9934**



**RS232/423 Low Cap, #24-9c, FPO, O/A Foil+Braid, PVC Jkt, CM**

### Product Description

Computer EIA RS-232/423 Cable, 24 AWG stranded (7x32) tinned copper conductors, Datalene® insulation, overall Beldfoil® (100% coverage) + tinned copper braid shield (65% coverage), drain wire, PVC jacket.

### Technical Specifications

#### Physical Characteristics (Overall)

##### Conductor

| AWG | Stranding | Material           | No. of Conductors |
|-----|-----------|--------------------|-------------------|
| 24  | 7x32      | TC - Tinned Copper | 9                 |

|                  |   |
|------------------|---|
| Conductor Count: | 9 |
|------------------|---|

##### Insulation

| Material                  | Material Trade Name | Nominal Wall Thickness |
|---------------------------|---------------------|------------------------|
| FPE - Foamed Polyethylene | Datalene®           | 0.015 in               |

##### Color Chart

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

##### Outer Shield Material

| Type  | Layer | Material                     | Material Trade Name | Coverage [%] | Drainwire Material | Drainwire AWG | Drainwire Construction n x D |
|-------|-------|------------------------------|---------------------|--------------|--------------------|---------------|------------------------------|
| Tape  | 1     | Aluminum Foil-Polyester Tape | Beldfoil®           | 100 %        | TC - Tinned Copper | 24            | Stranded mm                  |
| Braid | 2     | TC - Tinned Copper           |                     | 65 %         |                    |               |                              |

##### Outer Jacket Material

| Material                 | Nominal Diameter | Nominal Wall Thickness |
|--------------------------|------------------|------------------------|
| PVC - Polyvinyl Chloride | 0.3 in           | 0.035 in               |

#### Electrical Characteristics

##### Conductor DCR

| Nominal Conductor DCR | Nominal Outer Shield DCR |
|-----------------------|--------------------------|
| 24 Ohm/1000ft         | 3.85 Ohm/1000ft          |

##### Capacitance

| Nom. Capacitance Conductor to Conductor | Nom. Capacitance Conductor to Other Conductor to Shield |
|-----------------------------------------|---------------------------------------------------------|
| 12 pF/ft                                | 22 pF/ft                                                |

Delay

| Max. Delay Skew | Nominal Velocity of Propagation (VP) [%] |
|-----------------|------------------------------------------|
| 78 ns/100m      | 78 %                                     |

Current

| Max. Recommended Current [A]    |
|---------------------------------|
| 1.5 Amps per conductor @ 25°C A |

Voltage

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

Temperature Range

|                       |                          |
|-----------------------|--------------------------|
| UL Temp Rating:       | 80°C (UL AWM Style 2919) |
| Operating Temp Range: | -30°C To +80°C           |

Mechanical Characteristics

|                             |               |
|-----------------------------|---------------|
| Bulk Cable Weight:          | 44 lbs/1000ft |
| Min Bend Radius/Minor Axis: | 3 in          |

Standards

|                          |                  |
|--------------------------|------------------|
| NEC/(UL) Specification:  | CM               |
| CEC/C(UL) Specification: | CM               |
| UL AWM Style:            | 2919 (30 V 80°C) |
| CPR Euroclass:           | Eca              |

Applicable Environmental and Other Programs

|                                       |                               |
|---------------------------------------|-------------------------------|
| EU Directive 2000/53/EC (ELV):        | Yes                           |
| EU Directive 2003/96/EC (BFR):        | Yes                           |
| EU Directive 2011/65/EU (ROHS II):    | Yes                           |
| EU Directive 2012/19/EU (WEEE):       | Yes                           |
| EU Directive Compliance:              | EU Directive 2003/11/EC (BFR) |
| EU CE Mark:                           | Yes                           |
| EU RoHS Compliance Date (yyyy-mm-dd): | 2004-01-01                    |
| CA Prop 65 (CJ for Wire & Cable):     | Yes                           |
| MII Order #39 (China RoHS):           | Yes                           |

Flammability, LSOH, Toxicity Testing

|                  |                   |
|------------------|-------------------|
| UL Flammability: | UL1685 UL Loading |
|------------------|-------------------|

Part Number

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

Variants

| Item #       | Color  |
|--------------|--------|
| 9934 060100  | CHROME |
| 9934 0601000 | CHROME |
| 9934 060500  | CHROME |
| 9934 0605000 | CHROME |

Product Notes

|        |                                                                                                                                                                                                                |
|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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. |
|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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