



**Product:** [9932](#) 

RS232/423 Low Cap, #24-7c, FPE, 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**

**Product Overview**

|                        |  |
|------------------------|--|
| Suitable Applications: | RS-232 Extended Distance & RS-423 Applications; Computer Communications; Low Voltage Analog Signals (4-20mA, 0-10V, ...); Low Voltage Digital Control (24V, ...); Line Level Audio; Panel Wiring |
|------------------------|--|

**Construction Details**

| <b>Conductor</b> |                 |        |           |                    |
|------------------|-----------------|--------|-----------|--------------------|
| Element          | No. of Elements | Size   | Stranding | Material           |
| Conductor(s)     | 7               | 24 AWG | 7x32      | TC - Tinned Copper |

| <b>Insulation</b> |                          |                      |   |
|-------------------|--------------------------|----------------------|---|
| Element           | Material                 | Nom. Thickness       | Color Code                                    |
| Conductor(s)      | PE - Polyethylene (Foam) | 0.0125 in (0.318 mm) | Black, White, Red, Green, Brown, Blue, Orange |

| <b>Outer Shield</b> |                         |          |                  |
|---------------------|-------------------------|----------|------------------|
| Shield Type         | Material                | Coverage | Drainwire Type   |
| Tape                | Bi-Laminate (Alum+Poly) | 100%     | 24 AWG (7x32) TC |
| Braid               | Tinned Copper (TC)      | 65%      |                  |

| <b>Outer Jacket</b>                                  |                    |                    |
|--|--------------------|--------------------|
| Material   | Nom. Thickness     | Nom. Diameter      |
| PVC - Polyvinyl Chloride                             | 0.035 in (0.89 mm) | 0.253 in (6.43 mm) |
| Overall Cable Diameter (Nominal): 0.253 in (6.43 mm) |                    |                    |

**Electrical Characteristics**

| <b>Electricals</b> |                           |                               |   |                        |                                |
|--------------------|---------------------------|-------------------------------|---|------------------------|--------------------------------|
| Element            | Nom. Conductor DCR        | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) | Nom. Velocity of Prop. | Max. Current                   |
| Conductor(s)       | 24 Ohm/1000ft (79 Ohm/km) | 12 pF/ft (39 pF/m)            | 22 pF/ft (72 pF/m)                              | 78%                    | 1.5 Amps per Conductor at 25°C |

| <b>Voltage</b>                 |  |
|--------------------------------|--|
| UL Voltage Rating              |  |
| 300 V (CM), 30 V (UL AWM 2919) |  |

**Mechanical Characteristics**

| <b>Temperature</b>              |                |
|---------------------------------|----------------|
| UL Temperature                  | Operating      |
| 60°C (UL CM);80°C (UL AWM 2464) | -30°C to +80°C |

**Bend Radius**

| Stationary Min.    |                          |
|--------------------|--------------------------|
| 3.0 in (76 mm)     |                          |
| Max. Pull Tension: | 74 lbs (34 kg)           |
| Bulk Cable Weight: | 37 lbs/1000ft (55 kg/km) |

Standards and Compliance

|                                  |  |
|----------------------------------|--|
| Environmental Suitability:       | Indoor (Not Riser or Plenum), Indoor   |
| Flammability / Reaction to Fire: | UL1685 UL Loading, IEC 60332-1-2   |
| CPR Compliance:                  | CPR Euroclass: Eca   |
| NEC / UL Compliance:             | Article 800, CM  |
| AWM Compliance:                  | AWM 2919   |
| CEC / C(UL) Compliance:          | CM   |
| European Directive Compliance:   | EU CE Mark, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE) |
| UK Regulation Compliance:        | UKCA Mark  |
| APAC Compliance:                 | China RoHS II (GB/T 26572-2011)  |

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

History

|                      |  |
|----------------------|--|
| Update and Revision: | Revision Number: 0.384 Revision Date: 05-05-2023 |
|----------------------|--|

Part Numbers

Variants

| Item #       | Color  | UPC          | Footnote |
|--------------|--------|--------------|----------|
| 9932 060100  | Chrome | 612825264408 |          |
| 9932 0601000 | Chrome | 612825264415 | C        |
| 9932 060500  | Chrome | 612825264422 | C        |

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