



Product: [9927](#)

RS232/423 Low Cap, #24-4c, FPO, O/A Foil+Braid, PVC Jkt, CM

REPRESENTATIVE IMAGE

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

Conductor

| Element | Number of Element | AWG | Stranding | Material |
|--------------|-------------------|-----|-----------|--------------------|
| Conductor(s) | 4 | 24 | 7x32 | TC - Tinned Copper |

Insulation

| Element | Material | Thickness [in.] | Color Code |
|--------------|--------------------------|-----------------|--------------------------|
| Conductor(s) | PE - Polyethylene (Foam) | 0.013 | Black, White, Red, Green |

Outer Shield Material

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

Outer Jacket Material

| Material | Thickness | Nom. Diameter |
|--------------------------|-----------|---------------|
| PVC - Polyvinyl Chloride | 0.035 in | 0.209 in |

Cable Diameter (Nominal): 0.209 in

Electrical Characteristics

Electricals

| 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 | 12 pF/ft | 22 pF/ft | 78% | 1.8 Amps per Conductor at 25°C |

Nom Outer Shield DCR: 5.31 Ohm/1000ft

Voltage

| UL Voltage Rating |
|--------------------------------|
| 300 V (CM), 30 V (UL AWM 2919) |

Mechanical Characteristics

Temperature

| UL Rating | Operating |
|---------------------------------|----------------|
| 60°C (UL CM);80°C (UL AWM 2464) | -30°C to +80°C |

Bend Radius

| Stationary Min. | Installation Min. |
|-----------------|-------------------|
| 2.125 in | 2.5 in |

| | |
|--------------------|---------------|
| Max. Pull Tension: | 57 lbs |
| Bulk Cable Weight: | 27 lbs/1000ft |

Standards and Compliance

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

Product Notes

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| 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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History

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| Update and Revision: | Revision Number: 0.367 Revision Date: 09-30-2020 |
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