



Product: [9925](#) 

RS232/423 Low Cap, #24-3c, 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

Product Overview

| | |
|------------------------|--|
| Suitable Applications: | rs-232 extended distance applications; rs-423 applications; computer communications; low voltage analog signals (4-20ma, 0-10v, ...); low voltage digital control (24v, ...); line level audio; panel wiring |
|------------------------|--|

Physical Characteristics (Overall)

Conductor

| Element | AWG | Stranding | Material | No. of Conductors |
|--------------|-----|-----------|--------------------|-------------------|
| Conductor(s) | 24 | 7x32 | TC - Tinned Copper | 3 |

Conductor Count: 3

Insulation

| Element | Material | Material Trade Name | Nominal Wall Thickness |
|--------------|--------------------------|---------------------|------------------------|
| Conductor(s) | PE - Polyethylene (Foam) | Datalene® | 0.015 in |

Color Chart

| Number | Color |
|--------|-------|
| 1 | Black |
| 2 | White |
| 3 | Red |

Outer Shield Material

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

Outer Jacket Material

| Material | Nominal Diameter | Nominal Wall Thickness |
|--------------------------|------------------|------------------------|
| PVC - Polyvinyl Chloride | 0.2 in | 0.035 in |

Electrical Characteristics

Conductor DCR

| Nominal Conductor DCR | Nominal Outer Shield DCR |
|-----------------------|--------------------------|
| 24 Ohm/1000ft | 5.18 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] |
|---------------------------------|
| 2.2 Amps per conductor @ 25°C A |

Voltage

| UL Description | UL Voltage Rating |
|-------------------|------------------------------|
| UL AWM Style 2919 | 30 V 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: | 24 lbs/1000ft |
| Min Bend Radius/Minor Axis: | 2.25 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: | Yes |
| MII Order #39 (China RoHS): | Yes |

Flammability, LS0H, Toxicity Testing

| | |
|-----------------------|------------------------------|
| UL Flammability: | UL1685 UL Loading |
| ISO/IEC Flammability: | IEC 60332-1-2 |
| UL voltage rating: | 30 V RMS (UL AWM Style 2919) |

Plenum/Non-Plenum

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

Part Number

Variants

| Item # | Color | UPC |
|--------------|--------|--------------|
| 9925 060100 | Chrome | 612825263678 |
| 9925 0601000 | Chrome | 612825263685 |
| 9925 060500 | Chrome | 612825263692 |

Footnote: C - CRATE REEL PUT-UP.

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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History

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| Update and Revision: | Revision Number: 0.307 Revision Date: 05-05-2020 |
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