



Product: [9927](#)

RS232/423 Low Cap, #24-4c, 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 | 4 |

| | |
|------------------|---|
| Conductor Count: | 4 |
|------------------|---|

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 |
| 4 | Green |

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 | 0.209 in | 0.035 in |

Electrical Characteristics

Conductor DCR

| Nominal Conductor DCR | Nominal Outer Shield DCR |
|-----------------------|--------------------------|
| 24 Ohm/1000ft | 5.31 Ohm/1000ft |

Capacitance

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

Inductance

Nominal Inductance

0.21 µH/ft

Delay

Max. Delay Skew | Nominal Velocity of Propagation (VP) [%]

78 ns/100m

78 %

Current

Max. Recommended Current [A]

1.8 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: 29 lbs/1000ft

Min Bend Radius/Minor Axis: 2.125 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, LSOH, 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 |
|--------------|--------|--------------|
| 9927 060100 | Chrome | 612825263883 |
| 9927 0601000 | Chrome | 612825263890 |
| 9927 060500 | Chrome | 612825263906 |
| 9927 0605000 | Chrome | 612825263913 |

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: 0.302 Revision Date: 05-05-2020 |
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