



Part Number: 9936

RS232/423 Low Cap, #24-15c, 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 | 15 |

| | |
|------------------|--------|
| Conductor Count: | 15 |
| Conductor Size: | 24 AWG |

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 | Orange |
| 6 | Blue |
| 7 | White/Black |
| 8 | Red/Black |
| 9 | Green/Black |
| 10 | Orange/Black |
| 11 | Blue/Black |
| 12 | Black/White |
| 13 | Red/White |
| 14 | Green/White |
| 15 | Blue/White |

Outer Shield Material

| Type | Layer | Material | Material Trade Name | Coverage [%] | Drainwire Material | Drainwire AWG | Drainwire Construction n x D |
|-------|-------|--------------------|---------------------|--------------|--------------------|---------------|------------------------------|
| Tape | 1 | Aluminum/Polyester | 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 | 0.345 in | 0.035 in |

Electrical Characteristics

Conductor DCR

| Nominal Conductor DCR | Nominal Outer Shield DCR |
|-----------------------|--------------------------|
| 24 Ohm/1000ft | 3.56 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] |
|---------------------------------|
| 1.1 Amps per conductor @ 25°C A |

Voltage

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

Temperature Range

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

Mechanical Characteristics

| | |
|-----------------------------|---------------|
| Bulk Cable Weight: | 59 lbs/1000ft |
| Min Bend Radius/Minor Axis: | 3.5 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, 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 | Footnote |
|--------------|--------|----------|
| 9936 060100 | Chrome | |
| 9936 0601000 | Chrome | C |

| | |
|-----------|------------------------|
| 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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