



**Product:** [9936](#)

RS232/423 Low Cap, #24-15c, 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
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#### Construction Details

##### Conductor

Element	Number of Element	Size	Stranding	Material
Conductor(s)	15	24 AWG	7x32	TC - Tinned Copper

##### Insulation

Element	Material	Nom. Thickness	Color Code
Conductor(s)	PE - Polyethylene (Foam)	0.0125 in (0.318 mm)	Black, White, Red, Green, Orange, Blue, White/Black Stripe, Red/Black Stripe, Green/Black Stripe, Orange/Black Stripe, Blue/Black Stripe, Black/White Stripe, Red/White Stripe, Green/White Stripe, Blue/White Stripe

##### Outer Shield

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

##### Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.035 in (0.89 mm)	0.327 in (8.31 mm)

Overall Cable Diameter (Nominal): 0.327 in (8.31 mm)

#### 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 (79 Ohm/km)	12 pF/ft (39 pF/m)	22 pF/ft (72 pF/m)	78%	1.1 Amps per Conductor at 25°C

##### Voltage

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

#### Mechanical Characteristics

##### Temperature

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

## Bend Radius

### Stationary Min.

3.9 in (99 mm)

Max. Pull Tension:	118 lbs
Bulk Cable Weight:	59 lbs/1000ft (88 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:	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)
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.
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## History

Update and Revision:	Revision Number: 0.372 Revision Date: 12-15-2021
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## Variants

Item #	Color	UPC
9936 060100	Chrome	612825264545
9936 0601000	Chrome	612825264552
9936 060500	Chrome	612825264569

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