



Product: [9935](#)

RS232/423 Low Cap, #24-10c, 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	No. of Elements	Size	Stranding	Material
Conductor(s)	10	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, Brown, Blue, Orange, Yellow, Purple, Gray

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)	0.290 in (7.37 mm)

Overall Cable Diameter (Nominal):	0.290 in (7.37 mm)
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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%	1.5 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.

3.5 in (89 mm)

Max. Pull Tension: 90 lbs (41 kg)

Bulk Cable Weight: 50 lbs/1000ft (74 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: AWM 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)

UK Regulation Compliance: UKCA Mark

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.

History

Update and Revision: Revision Number: 0.382 Revision Date: 05-05-2023

Part Numbers**Variants**

Item #	Color	UPC	Footnote
9935 060100	Chrome	612825264514	
9935 0601000	Chrome	612825264521	C
9935 060500	Chrome	612825264538	

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