



Product: [9937](#)

RS232/423 Low Cap, #24-25c, 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	AWG	Stranding	Material
Conductor(s)	25	24	7x32	TC - Tinned Copper

Insulation

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

Outer Shield Material

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

Outer Jacket Material

Material	Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.045 in	0.420 in

Cable Diameter (Nominal): 0.420 in

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	12 pF/ft	22 pF/ft	78%	1.1 Amps per Conductor at 25°C

Nom Outer Shield DCR: 2.77 Ohm/1000ft

Voltage

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

Mechanical Characteristics

Temperature

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

Bend Radius

Stationary Min.

4.5 in

Max. Pull Tension: 173 lbs

Bulk Cable Weight: 99 lbs/1000ft

Standards and Compliance

Environmental Suitability: Indoor (Not Riser or Plenum), Indoor

Flammability / Fire Resistance: UL1685 UL Loading, IEC 60332-1-2

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 II), EU Directive 2012/19/EU (WEEE)

APAC Compliance: China RoHS II (GB/T 26572-2011)

Product Notes

Notes: Datalene® insulatin features include a low dielectric constant and a low dissipation factor for high-speed, low-distortin data handling. Physical properties include good crush resistance and light weight.

History

Update and Revision: Revision Number: 0.366 Revision Date: 09-30-2020

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