



REPRESENTATIVE IMAGE

Product: [9931](#)

RS232/423 Low Cap, #24-6c, 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 & 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)	6	24	7x32	TC - Tinned Copper

Insulation

Element	Material	Thickness	Color Code
Conductor(s)	PE - Polyethylene (Foam)	0.013 in (0.33 mm)	Black, White, Red, Green, Brown, Blue

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	0.035 in (0.89 mm)	0.242 in

Cable Diameter (Nominal): 0.242 in (6.15 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%	1.5 Amps per Conductor at 25°C

Nom. Outer Shield DCR: 4.4 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.	Installation Min.
2.9 in (74 mm)	2.9 in (74 mm)

Max. Pull Tension:	68 lbs (31 kg)
Bulk Cable Weight:	34 lbs/1000ft (51 kg/km)

Standards and Compliance

Environmental Suitability:	Indoor (Not Riser or Plenum), Indoor
Sustainability:	CA Prop 65
Flammability / Fire Resistance:	UL1685 UL Loading, IEC 60332-1-2
NEC / UL Compliance:	Article 800, CM
AWM Compliance:	2919
CEC / C(UL) Compliance:	CM
CPR Euroclass:	Eca
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: 0.374 Revision Date: 07-02-2021
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