Belden

Product: 9932

RS232/423 Low Cap, #24-7c, 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

Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	7	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

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)	0.253 in (6.43 mm)

Overall Cable Diameter (Nominal):	0.253 in (6.43 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 25ºC

Nom Outer Shield DCR:	4.4 Ohm/1000ft (14 Ohm/km)

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.
3.0 in (76 mm)

Max. Pull Tension:	74 lbs (34 kg)
Bulk Cable Weight:	37 lbs/1000ft (55 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: 0.386 Revision Date: 09-07-2025

Part Numbers

Variants

Item #	Color	UPC	Footnote
9932 060100	Chrome	612825264408	
9932 0601000	Chrome	612825264415	C
9932 060500	Chrome	612825264422	C

Footnote:	C - CRATE REEL PUT-UP.

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