



Product: [9791](#)

RS232/423 Low Cap, #28-6c, FPO, O/A Foil+Braid, PVC Jkt, CL2

Product Description

Computer EIA RS-232/423 Cable, 28 AWG stranded (7x36) tinned copper conductors, Datalene® insulation, overall Beldfoil® (100% Coverage) + tinned copper braid shield (65% Coverage), 28 AWG stranded tinned copper drain wire, PVC jacket.

Technical Specifications

Product Overview

Suitable Applications:	rs-232 extended distance applications; 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)	6	28 AWG	7x36	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	PE - Polyethylene (Foam)	0.015 in (0.38 mm)	0.044 in (1.1 mm)	Black, White, Red, Green, Brown, Blue

Outer Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	28 AWG (7x36) TC
Braid	Tinned Copper (TC)	65%	

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.035 in (0.89 mm)	0.225 in	Yes

Overall Cable Diameter (Nominal): 0.225 in

Electrical Characteristics

Electricals

Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Characteristic Impedance	Nom. Velocity of Prop.	Max. Current
72.8 Ohm/1000ft	12 pF/ft (39 pF/m)	22 pF/ft (72 pF/m)	100 Ohm	78%	2.1 Amps per Conductor at 25°C

Voltage

UL Voltage Rating
300 V (CL2), 30 V AC (UL AWM 2919)

Mechanical Characteristics

Temperature

UL Temperature	Operating
80°C	-30°C To +80°C

Bend Radius

Stationary Min.	Installation Min.
2.25 in (57.2 mm)	2.25 in

Max. Pull Tension:	14.7 lbs (6.67 kg)
Bulk Cable Weight:	26 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor
Flammability / Reaction to Fire:	UL 1685 UL Loading
NEC / UL Compliance:	Article 725, CL2
AWM Compliance:	AWM 2919
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: 0.403 Revision Date: 05-05-2023
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Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
9791 060500	Chrome	Reel	500 ft	612825258674	C
9791 0601000	Chrome	Reel	1,000 ft	612825258667	C

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