



Product: [9736](#)

RS232/422 Low Cap, #24-17pr, FPE, Individ. Foil, PVC Jkt, CM, 100Ω

Product Description

Computer EIA RS-232/422, Digital Audio Cable, 17-Pair, 24 AWG stranded (7x32) tinned copper conductors, Datalene® insulation, individually shielded with Beldfoil® (100% coverage) + 24 AWG stranded tinned copper drain wire, overall PVC jacket.

Technical Specifications

Product Overview

Suitable Applications:	RS-422 applications; computer communications; low voltage analog signals (4-20ma, 0-10v, ...); low voltage digital control (24v, ...); digital audio; panel wiring
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Construction Details

Conductor

Element	Number of Element	AWG	Stranding	Material
Pair(s)	17	24	7x32	TC - Tinned Copper

Insulation

Element	Material	Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	PE - Polyethylene (Foam)	0.0185 in	0.061	Black & Red, Black & White, Black & Green, Black & Blue, Black & Yellow, Black & Brown, Black & Orange, Red & White, Red & Green, Red & Blue, Red & Yellow, Red & Brown, Red & Orange, Green & White, Green & Blue, Green & Yellow, Green & Brown

Inner Shield Material

Element	Shield Type	Material	Coverage	Drainwire Type	Notes
Pair(s)	Tape	Bi-Laminate (Alum+Poly)	100%	24 AWG (7x32) TC	each pair

Table Notes:	Isolation Fold (Foil-in)
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Outer Jacket Material

Material	Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.065 in	0.671 in

Cable Diameter (Nominal):	0.671 in
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Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Characteristic Impedance	Nom. Velocity of Prop.	Max. Current
Pair(s)	24 Ohm/1000ft	12.5 pF/ft	23.2 pF/ft	100 Ohm	76%	1 Amp per Conductor at 25°C

Voltage

UL Voltage Rating
300 V (CM), 300 V (UL AWM 2493)

Mechanical Characteristics

Temperature

UL Rating	Operating
60°C (UL AWM 2493)	-20°C to +80°C

Bend Radius

Stationary Min.
6.75 in

Max. Pull Tension:	230 lbs
Bulk Cable Weight:	183 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor
Flammability / Fire Resistance:	UL1685 UL Loading
NEC / UL Compliance:	Article 800, CM
AWM Compliance:	2493
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® insulation features include low dielectric constant and a dissipation factor for high-speed, low-distortion data handling. Physical properties include good crush resistance and light weight. Ripcord under jacket.
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History

Update and Revision:	Revision Number: 0.332 Revision Date: 09-30-2020
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