



Product: [9737](#)

RS232/422 Low Cap, #24-19pr, FPE, Individ. Foil, PVC Jkt, CM, 100Ω

Product Description

Computer EIA RS-232/422, Digital Audio Cable, 19-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	No. of Elements	Size	Stranding	Material
Pair(s)	19	24 AWG	7x32	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Color Code
Pair(s)	PE - Polyethylene (Foam)	0.0185 in (0.470 mm)	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, Green & Orange, White & Blue

Inner Shield

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

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.065 in (1.7 mm)	0.671 in (17.0 mm)

Overall Cable Diameter (Nominal): 0.671 in (17.0 mm)

Electrical Characteristics

Electricals						
Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Characteristic Impedence	Nom. Velocity of Prop.	Max. Current
Pair(s)	24 Ohm/1000ft (79 Ohm/km)	12.5 pF/ft (41.0 pF/m)	23.2 pF/ft (76.1 pF/m)	100 Ohm	76%	1.9 Amps per Conductor at 25°C
Voltage						
UL Voltage Rating						
300 V (CM), 300 V (UL AWM 2493)						
Mechanical Characteristics						
Temperature						
UL Temperature		Operating				
60°C (UL AWM 2493)		-20°C to +80°C				
Max. Pull Tension:		325 lbs (147 kg)				

Bulk Cable Weight:	206 lbs/1000ft (307 kg/km)
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Standards and Compliance

Environmental Suitability:	Indoor
Flammability / Reaction to Fire:	UL1685 UL Loading
NEC / UL Compliance:	Article 800, CM
AWM Compliance:	AWM 2493
CEC / C(UL) Compliance:	CM
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 low dielectric constant and a 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: 0.453 Revision Date: 12-04-2024
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Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
9737 0601000	Chrome	Reel	1,000 ft	612825257905	C

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