



**Product:** [9734](#)

RS232/422 Low Cap, #24-12pr, FPE, Individ. Foil, PVC Jkt, CM, 100Ω

### Product Description

Computer EIA RS-232/422, Digital Audio Cable, 12-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	Size	Stranding	Material
Pair(s)	12	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

##### 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	0.063 in (1.6 mm)	0.575 in (14.6 mm)

Overall Cable Diameter (Nominal):	0.575 in (14.6 mm)
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#### 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:	205 lbs (93.0 kg)
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Bulk Cable Weight:	138 lbs/1000ft (205 kg/km)
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## Standards and Compliance

Environmental Suitability:	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 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)
UK Regulation Compliance:	UKCA Mark
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: 0.338 Revision Date: 05-05-2023
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## Part Numbers

### Variants

Item #	Color	Putup Type	Length	UPC
9734 060500	Chrome	Reel	500 ft	612825257837
9734 0601000	Chrome	Reel	1,000 ft	612825257820

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