



**Product:** <u>1422A</u> ☑

RS232/422 Low Cap, #24-5pr, FPE, O/A Foil, PVC Jkt, CM,  $100\Omega$ 

# **Product Description**

Computer EIA RS-232/422 Cable, 5-Pair, 24 AWG stranded (7x32) tinned copper conductors, Datalene® insulation, overall Beldfoil® shield (100% coverage), 24 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
Pair(s)	5	24 AWG	7x32	TC - Tinned Copper

## Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	PE - Polyethylene (Foam)	0.013 in (0.33 mm)	0.049 in (1.2 mm)	Western Electric Standard

## Outer Shield

	Shield Type	Material	Coverage	Drainwire Type
I	Таре	Bi-Laminate (Alum+Poly)	100%	24 AWG (7x32) TC

### Outer Jacket

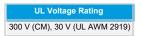
Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.035 in (0.89 mm)	0.294 in (7.47 mm)
Overall Cable Diameter (Nominal):	0.294 in (7.4	7 mm)

# **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
F	Pair(s)	24 Ohm/1000ft	13 pF/ft (43 pF/m)	22 pF/ft (72 pF/m)	100 Ohm	78%	1.8 Amps per Conductor at 25°C

# Voltage



# **Mechanical Characteristics**

# Temperature

<b>UL Temperature</b>	Operating
80°C	-20°C to +80°C

### Bend Radius

Stationary Min.	Installation Min.
2.9 in (74 mm)	2.9 in (74 mm)

Max. Pull Tension:	55 lbs (25 kg)
Bulk Cable Weight:	39 lbs/1000ft

### **Standards and Compliance**

Environmental Suitability:	Indoor (Not Riser or Plenum), Indoor	
Flammability / Reaction to Fire:	ction to Fire: UL 1685 FT4 Loading	
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)	
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: 0.458 Revision Date: 05-05-2023

#### **Part Numbers**

#### Variants

Item #	Color	UPC	Footnote
1422A 0601000	Chrome	612825115038	С
1422A 060500	Chrome	612825115045	С

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