



**Product:** <u>1421A</u> ☑

RS232/422 Low Cap, #24-4pr, FPE, O/A Foil, PVC Jkt, CM,  $100\Omega$ 

# **Product Description**

Computer EIA RS-232/422 Cable, 4-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

E	lement	No. of Elements	Size	Stranding	Material
Pa	air(s)	4	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
Таре	Bi-Laminate (Alum+Poly)	100%	24 AWG (7x32) TC

#### Outer Jacket

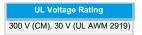
Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.035 in (0.89 mm)	0.280 in (7.11 mm)
Overall Cable Diameter (Nominal):	0.280 in (7.1	1 mm)

# **Electrical Characteristics**

## Electricals

Ele	ement	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Characteristic Impedence	Nom. Velocity of Prop.	Max. Current
Pa	air(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.
2.8 in (71 mm)	2.8 in (71 mm)

Max. Pull Tension:	44 lbs (20 kg)
Bulk Cable Weight:	33 lbs/1000ft

## **Standards and Compliance**

Environmental Suitability:	Indoor (Not Riser or Plenum), Indoor
Flammability / Reaction to Fire:	UL 1685 FT4 Loading, IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca
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)
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: 0.505 Revision Date: 12-22-2023

#### **Part Numbers**

### Variants

Item #	Color	UPC	Footnote
1421A 0601000	Chrome	612825115007	С
1421A 060500	Chrome	612825115014	С
1421A 0605000	Chrome	612825115021	

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