



Product: <u>1425A</u> ☑

RS232/422 Low Cap, #24-15pr, FPE, O/A Foil, PVC Jkt, CM, 100Ω

Product Description

Computer EIA RS-232/422 Cable, 15-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,
Suitable Applications.); line level audio; panel wiring

Construction Details

Conductor

Element	Number of Element	Size	Stranding	Material
Pair(s)	15	24 AWG	7x32	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Color Code
Pair(s)	PE - Polyethylene (Foam)	0.0125 in (0.318 mm)	White/Blue Stripe & Blue/White Stripe, White/Orange Stripe & Orange/White Stripe, White/Green Stripe & Green/White Stripe, White/Brown Stripe & Brown/White Stripe, White/Gray Stripe & Gray/White Stripe, Red/Blue Stripe, Red/Gray Stripe & Orange/Red Stripe, Red/Green Stripe & Green/Red Stripe, Red/Brown Stripe & Blue/Black Stripe, Black/Orange Stripe & Blue/Black Stripe, Black/Orange Stripe & Grange/Black Stripe, Black/Gray Stripe & Green/Black Stripe, Black/Gray Stripe & Gray/Black Stripe

Outer Shield

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

Outer Jacket

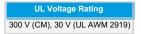
Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.040 in (1.0 mm)	0.455 in (11.6 mm)
Overall Cable Diameter (N	lominal): 0.455 i	in (11.6 mm)

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)	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



Max. Pull Tension:	165 lbs (74.8 kg)
Bulk Cable Weight:	90 lbs/1000ft (130 kg/km)

Standards and Compliance

Flammability / Reaction to Fire:	UL1685 UL Loading	
NEC / UL Compliance:	ticle 800, CM	
AWM Compliance:	/M 2919	
CEC / C(UL) Compliance:	M	
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: 0.330 Revision Date: 05-05-2023

Part Numbers

Variants

Item #	Color	UPC
1425A 0601000	Chrome	612825115137
1425A 060500	Chrome	612825115144

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