



Product: [1425A](#)

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, ...); line level audio; panel wiring
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Construction Details

Conductor

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

Insulation

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

Outer Shield Material

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

Outer Jacket Material

Material	Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.040 in	0.455 in

Cable Diameter (Nominal): 0.455 in

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Characteristic Impedance	Nom. Velocity of Prop.	Max. Current
Pair(s)	24 Ohm/1000ft	13 pF/ft	22 pF/ft	100 Ohm	78%	1.8 Amps per Conductor at 25°C
Nom Outer Shield DCR:		11.2 Ohm/1000ft				

Voltage

UL Voltage Rating
300 V (CM), 30 V (UL AWM 2919)

Mechanical Characteristics

Temperature

Operating

-20°C to +80°C

Bend Radius

Stationary Min.

4.75 in

Max. Pull Tension: 165 lbs

Bulk Cable Weight: 90 lbs/1000ft

Standards and Compliance

Flammability / Fire Resistance: UL1685 UL Loading

NEC / UL Compliance: Article 800, CM

AWM Compliance: 2919

CEC / C(UL) Compliance: CM

European Directive Compliance: EU CE Mark, EU Directive 2011/65/EU (ROHS II), 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.

History

Update and Revision: Revision Number: 0.316 Revision Date: 09-30-2020

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