



Product: <u>8108</u> ☑

RS-232/422 Low Cap, #24-8pr, FPO, O/A Foil+Braid, PVC Jkt, CM, 100Ω

Product Description

Computer EIA RS-232/422 Cable, 24 AWG stranded (7x32) tinned copper conductors, Datalene® insulation, twisted pairs, overall Beldfoil® (100% coverage) + tinned copper braid shield (65% coverage), 24 AWG stranded tinned copper drain wire, PVC jacket.

Technical Specifications

Product Overview

Construction Details

Conductor

Elemen	Number of Element	AWG	Stranding	Material
Pair(s)	8	24	7x32	TC - Tinned Copper

Insulation

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

Outer Shield Material

Type	Material	Coverage	Drainwire Type
Tape + Braid	Alum / Poly + Tinned Copper (TC)	100% + 65%	24 AWG (7x32) TC

Outer Jacket Material

Material	Thickness	Diameter
PVC - Polyvinyl Chloride	0.035 in	0.370 in

Electrical Characteristics

Electricals

Ele	ement	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Characteristic Impedence	Nom. Velocity of Prop.	Max. Current
Pa	air(s)	24 Ohm/1000ft	12.5 pF/ft	22 pF/ft	100 Ohm	78%	1.1 Amps per conductor @ 25°C A

Voltage

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

Mechanical Characteristics

Temperature

UL Rating	Operating
80°C (UL AWM 2919)	-30°C to +80°C

Bend Radius



Max. Pull Tension:	93.5 lbs	
Bulk Cable Weight:	67 lbs/1000ft	1

Standards and Compliance

Environmental Suitability:	Indoor
Flammability / Fire Resistance:	UL1685 UL Loading, IEC 60332-1-2
NEC / UL Compliance:	Article 800, CM
AWM Compliance:	2919
CEC / C(UL) Compliance:	CM
CPR Euroclass:	Eca
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: 0.329 Revision Date: 06-05-2020

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