



Product: <u>9728</u> ☑

RS232/422 Low Cap, #24-4pr, FPE, Indiv. Foil, PVC Jkt, CM, 100Ω

Product Description

Computer EIA RS-232/422, Digital Audio Cable, 4-Pair, 24 AWG stranded (7x32) tinned copper conductors, Datalene® insulation, individually Beldfoil® shielded (100% coverage) each with 24 AWG stranded tinned copper drain wire, overall PVC jacket.

Technical Specifications

Product Overview

Suitable Applications: RS-422 applications; computer communications; low voltage analog signals (4-20ma, 0-10v, ...); low voltage digital control (24v, ...); digital audio; panel wiring

Construction Details

Conductor

Element	Number of Element	AWG	Stranding	Material
Pair(s)	4	24	7x32	TC - Tinned Copper

Insulation

Element	Material	Thickness [in]	Color Code
Pair(s)	PE - Polyethylene (Foam)	0.0185	Black & Red, Black & White, Black & Green, Black & Blue

Inner Shield Material

E	lement	Type	Material	Coverage	Drain Type	Notes
F	Pair(s)	Tape	Alum / Poly	100%	24 AWG (7x32) TC	each pair

Outer Jacket Material

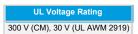
Material	Thickness	Diameter
PVC - Polyvinyl Chloride	0.048 in	0.363 in

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Characteristic Impedence	Nom. Velocity of Prop.	Max. Current
Pair(s)	24 Ohm/1000ft	12.5 pF/ft	23.2 pF/ft	100 Ohm	76%	2.5 Amps per conductor at 25°C

Voltage



Mechanical Characteristics

Temperature

UL Rating	Operating
80°C (UL AWM Style 2919)	-20°C to +80°C

Bend Radius

Stationary Min. 3.75 in

Max. Pull Tension:	65 lbs	
Bulk Cable Weight:	51 lbs/1000ft	

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 2015/863/EU, 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: 0.344 Revision Date: 06-05-2020

© 2020 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.