Product: 9730 ⬚

RS232/422 Low Cap, #24-3pr, FPE, Indiv. Foil, PVC Jkt, CM, 100Ω

Product Description

Computer EIA RS-232/422, Digital Audio Cable, 3-Pair, 24 AWG stranded (7x32) tinned copper conductors, Datalene® insulation, individually shielded with Beldfoil® (100% coverage), 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)	3	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

Inner Shield Material

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

Outer Shield Material

Material
No Shield

Outer Jacket Material

Material	Thickness	Diameter
PVC - Polyvinyl Chloride	0.048 in	0.334 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	12.5 pF/ft	23.2 pF/ft	100 Ohm	76%	2.5 Amps per conductor at 25°C

Voltage

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

Mechanical Characteristics

Temperature

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

Bend Radius

Stationary Min.
3.5 in

Max. Pull Tension:	51 lbs
Bulk Cable Weight:	42 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor
Flammability / Fire Resistance:	UL1685 UL Loading, FT1, 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)
Other Standard Compliance(s):	P-MW-MS285

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: 0.337 Revision Date: 06-05-2020

Bend Radius

Stationary Min.
3.5 in