



Product: 8168 ☑

RS232/422 Low Cap, #24-8pr, FPO, Indiv.& O/A Foils+Braid, PVC Jkt, CM,

Product Description

Computer EIA RS-232/422, Digital Audio Cable, 24 AWG stranded (7x32) tinned copper conductors, Datalene® insulation, 8 twisted pairs individually Beldfoil® shielded + overall 100% Beldfoil® + tinned copper braid shield (65% coverage), drain wire, PVC jacket.

Technical Specifications

Product Overview

0-10v,); Low Voltage Digital Control (24v,); Digital	Suitable Applications: RS-232 Extended Distance & RS-422 Applications; Computer Communications; Low
	Audio; Panel Wiring

Construction Details

Conductor

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

Insulation

Element	Material	Thickness	Color Code	
Pair(s)	PE - Polyethylene (Foam)	0.019 in	Black & Red, Black & White, Black & Green, Black & Blue, Black & Yellow, Black & Brown, Black & Orange, Red & White	

Inner Shield Material

Element	Shield Type	Material	Coverage	Drainwire Type	Notes
Pair(s)	Таре	Bi-Laminate (Alum+Poly)	100%	24 AWG (7x32) TC	each pair, Z-Fold® Foil-in

Outer Shield Material

Shield Type	Material	Coverage
Tape + Braid	Bi-Laminate (Alum+Poly) + Tinned Copper (TC)	100% + 65%

Outer Jacket Material

	Material	Thickness	Nom. Diameter
F	PVC - Polyvinyl Chloride	0.048 in	0.479 in
	Cable Diameter (Nominal	l): 0.479	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	22 pF/ft	100 Ohm	78%	1.1 Amps per Conductor at 25°C
Nom Outer Shield DCR- 3.0 Ohm/1000ft						

Voltage

UL Voltage Rating 300 V (CM), 300 V (UL AWM 2493)

Mechanical Characteristics

Temperature

UL Rating	Operating
60°C (UL AWM 2493)	-40°C to +60°C

Bend Radius

Stationary Min.	Installation Min.
5 in	4.8 in

Max. Pull Tension:	184 lbs
Bulk Cable Weight:	108 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:	2493
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

History

Update and Revision:	Revision Number: 0.324 Revision Date: 09-30-2020

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