



REPRESENTATIVE IMAGE

**Product:** [9829](#)

RS232/422 Low Cap, #24-2pr, PE, O/A Foil+Braid, PVC Jkt, CM, 100Ω

### Product Description

Computer EIA RS-232/422 Cable, 2-Pair, 24 AWG stranded (7x32) tinned copper conductors, polyethylene insulation, overall Beldfoil® (100% coverage) + tinned copper braid shield (65% coverage), 24 AWG stranded tinned copper drain wire, PVC jacket.

### Technical Specifications

#### Product Overview

Suitable Applications:	RS-232 extended distance applications; RS-422 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)	2	24	7x32	TC - Tinned Copper

##### Insulation

Element	Material	Thickness [in]	Color Code
Pair(s)	PE - Polyethylene	0.0155	White/Blue Stripe & Blue/White Stripe, White/Orange Stripe & Orange/White 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	0.291 in

#### Electrical Characteristics

##### Electricals

Element	Nom. Conductor DCR	Nom. Inner Shield DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Characteristic Impedance	Nom. Velocity of Prop.	Max. Current
Pairs	24 Ohm/1000ft	18.3 Ohm/1000ft	15.5 pF/ft	27.5 pF/ft	100 Ohm	66%	2.1 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 2919)	-30°C to +80°C

##### Bend Radius

Stationary Min.

3 in

Max. Pull Tension:	57 lbs
Bulk Cable Weight:	40 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)

## History

Update and Revision:	Revision Number: 0.338 Revision Date: 06-18-2020
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