



**Product:** [8355](#)

RS232, Low Cap, #24-25pr, SR-PVC, O/A Foil+Braid, PVC Jkt, CMG

## Product Description

Computer EIA RS-232 Cable, 25-Pair, 24 AWG stranded (7x32) tinned copper conductors, semi-rigid PVC insulation, overall Beldfoil® (100% coverage) + tinned copper braid shield (65% coverage), PVC jacket.

## Technical Specifications

### Product Overview

Suitable Applications:	RS-232 extended distance 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)	25	24	7x32	TC - Tinned Copper

#### Insulation

Element	Material	Thickness	Color Code
Pair(s)	SR-PVC - Polyvinyl Chloride (Semi-Rigid)	0.0105 in	White/Blue Stripe & Blue/White Stripe, White/Orange Stripe & Orange/White Stripe, White/Green Stripe & Green/White Stripe, White/Brown Stripe & Brown/White Stripe, White/Gray Stripe & Gray/White Stripe, Red/Blue Stripe & Blue/Red Stripe, Red/Orange Stripe & Orange/Red Stripe, Red/Green Stripe & Green/Red Stripe, Red/Brown Stripe & Brown/Red Stripe, Red/Gray Stripe & Gray/Red Stripe, Black/Blue Stripe & Blue/Black Stripe, Black/Orange Stripe & Orange/Black Stripe, Black/Green Stripe & Green/Black Stripe, Black/Brown Stripe & Brown/Black Stripe, Black/Gray Stripe & Gray/Black Stripe, Yellow/Blue Stripe & Blue/Yellow Stripe, Yellow/Orange Stripe & Orange/Yellow Stripe, Yellow/Green Stripe & Green/Yellow Stripe, Yellow/Brown Stripe & Brown/Yellow Stripe, Yellow/Gray Stripe & Gray/Yellow Stripe, Purple/Blue Stripe & Blue/Purple Stripe, Purple/Orange Stripe & Orange/Purple Stripe, Purple/Green Stripe & Green/Purple Stripe, Purple/Brown Stripe & Brown/Purple Stripe, Purple/Gray Stripe & Gray/Purple Stripe

#### 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
PVC - Polyvinyl Chloride	0.045 in	0.550 in

Cable Diameter (Nominal): 0.550 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	30 pF/ft	50 pF/ft	75 Ohm	60%	1.1 Amps per Conductor at 25°C

Nom Outer Shield DCR: 2.5 Ohm/1000ft

#### Voltage

UL Voltage Rating
300 V (CMG), 300 V (UL AWM 2464)

### Mechanical Characteristics

#### Temperature

UL Rating	Operating
80°C (UL AWM 2464)	-30°C to +80°C

#### Bend Radius

Stationary Min.
5.5 in

Bulk Cable Weight:	173 lbs/1000ft
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#### Standards and Compliance

Environmental Suitability:	Indoor
Flammability / Fire Resistance:	UL 1685 FT4 Loading, FT4
NEC / UL Compliance:	Article 800, CMG
AWM Compliance:	2464
CEC / C(UL) Compliance:	CMG
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)

#### History

Update and Revision:	Revision Number: 0.291 Revision Date: 02-16-2021
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