



## Product: [8336](#)

RS232, Low Cap, #24-6pr, SR-PVC, O/A Foil+Braid, PVC Jkt, CMG

### Product Description

Computer EIA RS-232 Cable, 6-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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#### Physical Characteristics (Overall)

##### Conductor

Element	AWG	Stranding	Material	No. of Pairs
Pair(s)	24	7x32	TC - Tinned Copper	6

Conductor Count: 12

##### Insulation

Element	Material	Nominal Wall Thickness
Pair(s)	S-R PVC - Semi-Rigid Polyvinyl Chloride	0.0105 in

##### Color Chart

Number	Color
1	White/Blue Stripe & Blue/White Stripe
2	White/Orange Stripe & Orange/White Stripe
3	White/Green Stripe & Green/White Stripe
4	White/Brown Stripe & Brown/White Stripe
5	White/Gray Stripe & Gray/White Stripe
6	Red/Blue Stripe & Blue/Red Stripe

##### Outer Shield Material

Type	Layer	Material	Material Trade Name	Coverage [%]
Tape	1	Alum / Poly	Beldfoil®	100 %
Braid	2	TC - Tinned Copper		65 %

##### Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.310 in	0.035 in

### Electrical Characteristics

##### Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
24 Ohm/1000ft	4.7 Ohm/1000ft

##### Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
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30 pF/ft

50 pF/ft

**Impedance****Nominal Characteristic Impedance**

75 Ohm

**Delay**

Max. Delay Skew	Nominal Velocity of Propagation (VP) [%]
60 ns/100m	60 %

**Current****Max. Recommended Current [A]**

1.6 Amps per conductor @ 25°C ambient

**Voltage**

UL Description	UL Voltage Rating
CMG	300 V
UL AWM 2464	300 V

**Temperature Range**

UL Temp Rating: 80°C (UL AWM 2464)

Operating Temp Range: -30°C to +80°C

**Mechanical Characteristics**

Bulk Cable Weight: 57 lbs/1000ft

Max Recommended Pulling Tension: 95 lbs

Min Bend Radius/Minor Axis: 3.25 in

**Standards**

NEC Articles: 800

NEC/(UL) Specification: CMG

CEC/C(UL) Specification: CMG

UL AWM Style: 2464

CSA AWM Specification: AWM I A

CPR Euroclass: Eca

**Applicable Environmental and Other Programs**

EU Directive 2000/53/EC (ELV): Yes

EU Directive 2003/96/EC (BFR): Yes

EU Directive 2011/65/EU (ROHS II): Yes

EU Directive 2012/19/EU (WEEE): Yes

EU Directive Compliance: EU Directive 2003/11/EC (BFR)

EU CE Mark: Yes

EU RoHS Compliance Date (yyyy-mm-dd): 2005-10-01

MII Order #39 (China RoHS): Yes

**Suitability**

Suitability - Indoor: Yes

**Flammability, LS0H, Toxicity Testing**

UL Flammability: UL1685 FT4 Loading

CSA Flammability: FT4

ISO/IEC Flammability: IEC 60332-1-2

UL voltage rating: 300 V

**Plenum/Non-Plenum**

Plenum (Y/N): No

**Part Number**

## Variants

Item #	Color	Putup Type	Length	UPC
8336 060100	Chrome	Reel	100 ft	612825204510
8336 060500	Chrome	Reel	500 ft	612825204534
8336 0601000	Chrome	Reel	1,000 ft	612825204527

Footnote: C - CRATE REEL PUT-UP.

## History

Update and Revision: Revision Number: 0.243 Revision Date: 05-27-2020

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