




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
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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
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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
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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
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Part Number

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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.
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History

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