



Product: [8334](#)

RS232, Low Cap, #24-4pr, SR-PVC, O/A Foil+Braid, PVC Jkt, CMG

Product Description

Computer EIA RS-232 Cable, 4-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	4

Conductor Count: 8

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

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	0.272 in	0.035 in

Electrical Characteristics

Conductor DCR

Max. Conductor DCR	Nominal Conductor DCR	Nominal Outer Shield DCR
9.38 Ohm/1000ft	24 Ohm/1000ft	4.5 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
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: 44 lbs/1000ft

Min Bend Radius/Minor Axis: 2.75 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, LSOH, Toxicity Testing

C(UL) Flammability: FT1

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
8334 060100	Chrome	Reel	100 ft	612825204299
8334 060500	Chrome	Reel	500 ft	612825204312
8334 0601000	Chrome	Reel	1,000 ft	612825204305

Footnote: C - CRATE REEL PUT-UP.

History

Update and Revision: Revision Number: 0.249 Revision Date: 05-27-2020

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