



**Product:** [9536](#) 

RS-232, #24-6c, SR-PVC, O/A Foil, PVC Jkt, CMG

## Product Description

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

## Technical Specifications

### Product Overview

Suitable Applications:	rs-232 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 Conductors
Conductor(s)	24	7x32	TC - Tinned Copper	6

Conductor Count:	6
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#### Insulation

Element	Material	Nominal Wall Thickness
Conductor(s)	S-R PVC - Semi-Rigid Polyvinyl Chloride	0.01 in

#### Color Chart

Number	Color
1	Black
2	White
3	Red
4	Green
5	Brown
6	Blue

#### Outer Shield Material

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Alum / Poly	Beldfoil®	100 %	TC - Tinned Copper	24	7x32 - TC

#### Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.209 in	0.032 in

### Electrical Characteristics

#### Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
25 Ohm/1000ft	18 Ohm/1000ft

#### Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
33 pF/ft	65 pF/ft

High Frequency (Nominal/Typical)

Nom. Insertion Loss
12.7 dB/100m

Current

Max. Recommended Current [A]
1.75 Amps per conductor @ 25°C ambient
Current Table Note:

Voltage

UL Voltage Rating
300 V RMS

Temperature Range

UL Temp Rating:	80°C (UL AWM Style 2464)
Operating Temp Range:	-30°C To +80°C

Mechanical Characteristics

Bulk Cable Weight:	24 lbs/1000ft
Max Recommended Pulling Tension:	33 lbs
Min Bend Radius/Minor Axis:	2.25 in

Standards

NEC Articles:	800
NEC/(UL) Specification:	CMG
CEC/C(UL) Specification:	CMG
UL AWM Style:	2464 (300 V 80°C)
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):	2005-04-01
CA Prop 65:	Yes
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 RMS

Plenum/Non-Plenum

Plenum (Y/N):	No
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Part Number

Variants

Item #	Color	Putup Type	Length	UPC/EAN
9536.0030	Chrome	Reel	30 m	8719605021861
9536 060100	Chrome	Reel	100 ft	612825255222
9536.00U152	Chrome	UnReel	152 m	8719605021878
9536.01152	Chrome	Reel	152 m	8719605021892

9536.00U305	Chrome	UnReel	305 m	8719605021885
9536.01305	Chrome	Reel	305 m	8719605021908
9536 060500	Chrome	Reel	500 ft	612825255246
9536 060U500	Chrome	UnReel	500 ft	612825255215
9536 0601000	Chrome	Reel	1,000 ft	612825255239
9536 060U1000	Chrome	UnReel	1,000 ft	612825255208
9536.001525	Chrome	Reel	1,525 m	8719605021854
9536 0605000	Chrome	Reel	5,000 ft	612825255253

Footnote:	C - CRATE REEL PUT-UP.
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History

Update and Revision:	Revision Number: 0.307 Revision Date: 05-05-2020
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