



**Product:** [9503](#)

RS-232, #24-3pr, SR-PVC, O/A Foil, PVC Jkt, CMG, 75Ω

## Product Description

Computer EIA RS-232 Cable, 24 AWG stranded (7x32) tinned copper conductors, semi-rigid PVC insulation, 3 twisted pairs, 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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### Construction Details

#### Conductor

Element	Number of Element	Size	Stranding	Material
Pair(s)	3	24 AWG	7x32	TC - Tinned Copper

#### Insulation

Element	Material	Nom. Thickness	Color Code
Pair(s)	SR-PVC - Polyvinyl Chloride (Semi-Rigid)	0.011 in (0.28 mm)	Black & Red, Black & White, Black & Green

#### Outer Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	24 AWG (7x32) TC

#### Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.032 in (0.81 mm)	0.232 in (5.89 mm)

Overall Cable Diameter (Nominal): 0.232 in (5.89 mm)

### Electrical Characteristics

#### Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Characteristic Impedance	Nom. Velocity of Prop.	Max. Current
Pair(s)	24 Ohm/1000ft (79 Ohm/km)	30 pF/ft (98 pF/m)	50 pF/ft (160 pF/m)	75 Ohm	60%	1.76 Amps per Conductor at 25°C

#### Voltage

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

### Mechanical Characteristics

#### Temperature

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

#### Bend Radius

Stationary Min.	Installation Min.

2.3 in (58 mm)	2.3 in (58 mm)
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Max. Pull Tension:	39 lbs (18 kg)
Bulk Cable Weight:	26 lbs/1000ft (39 kg/km)

## Standards and Compliance

Environmental Suitability:	Indoor
Flammability / Reaction to Fire:	UL1685 FT4 Loading, FT4, IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca
NEC / UL Compliance:	Article 800, CMG
AWM Compliance:	AWM 2464, AWM I/II A
CEC / C(UL) Compliance:	CMG
European Directive Compliance:	EU CE Mark, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Plenum Number:	89503, 82503

## History

Update and Revision:	Revision Number: 0.378 Revision Date: 02-08-2022
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## Part Numbers

### Variants

Item #	Color	Putup Type	Length	UPC/EAN
9503.0030	Chrome	Reel	30 m	8719605021014
9503 060100	Chrome	Reel	100 ft	612825254201
9503.00U152	Chrome	UnReel	152 m	8719605021021
9503.01152	Chrome	Reel	152 m	8719605021045
9503.00U305	Chrome	UnReel	305 m	8719605021038
9503.01305	Chrome	Reel	305 m	8719605021052
9503 060500	Chrome	Reel	500 ft	612825254225
9503 060U500	Chrome	UnReel	500 ft	612825254195
9503 0601000	Chrome	Reel	1,000 ft	612825254218
9503 060U1000	Chrome	UnReel	1,000 ft	612825254188
9503 0605000	Chrome	Reel	5,000 ft	612825254232

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