



**Product:** [9510](#)

RS232, #24-10pr, 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, 10 twisted pairs, overall Beldfoil® shield (100% coverage), 24 AWG stranded tinned copper drain wire (continued), 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)	10	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, Black & Blue, Black & Yellow, Black & Brown, Black & Orange, Red & White, Red & Green, Red & Blue

#### 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	0.034 in (0.86 mm)	0.368 in (9.35 mm)

Overall Cable Diameter (Nominal):	0.368 in (9.35 mm)
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### Electrical Characteristics

#### Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	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)	60%	1.1 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.

3.7 in (94 mm)	3.7 in (94 mm)
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Max. Pull Tension:	116 lbs
Bulk Cable Weight:	68 lbs/1000ft (100 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:	2464, 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)

## History

Update and Revision:	Revision Number: 0.316 Revision Date: 12-15-2021
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## Variants

Item #	Color	Putup Type	Length	UPC/EAN
9510.0030	Chrome	Reel	30 m	8719605021632
9510 060100	Chrome	Reel	100 ft	612825254553
9510.00152	Chrome	Reel	152 m	8719605021625
9510.00305	Chrome	Reel	305 m	8719605021649
9510 060500	Chrome	Reel	500 ft	612825254584
9510 0601000	Chrome	Reel	1,000 ft	612825254560
9510 0602000	Chrome	Reel	2,000 ft	612825254577
9510 0605000	Chrome	Reel	5,000 ft	612825254591

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