



**Product:** [9506](#) 

RS232, #24-6pr, 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, 6 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)	6	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

#### 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)	0.289 in (7.34 mm)

Overall Cable Diameter (Nominal): 0.289 in (7.34 mm)

### 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%	1.5 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.
2.9 in (74 mm)	2.9 in (74 mm)

Max. Pull Tension:	72 lbs
Bulk Cable Weight:	44 lbs/1000ft (65 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)
Plenum Number:	82506

## History

Update and Revision:	Revision Number: 0.313 Revision Date: 12-15-2021
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## Variants

Item #	Color	Putup Type	Length	UPC/EAN
9506.0030	Chrome	Reel	30 m	8719605021359
9506 060100	Chrome	Reel	100 ft	612825254386
9506.00U152	Chrome	UnReel	152 m	8719605021373
9506.01152	Chrome	Reel	152 m	8719605021397
9506.00305	Chrome	Reel	305 m	8719605021366
9506.00U305	Chrome	UnReel	305 m	8719605021380
9506 060500	Chrome	Reel	500 ft	612825254409
9506 060U500	Chrome	UnReel	500 ft	612825254379
9506 0601000	Chrome	Reel	1,000 ft	612825254393
9506 060U1000	Chrome	UnReel	1,000 ft	612825254362
9506 0605000	Chrome	Reel	5,000 ft	612825254416

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