



**Product:** [9505](#)

RS232, #24-5pr, 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, 5 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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### Physical Characteristics (Overall)

#### Conductor

Element	AWG	Stranding	Material	No. of Pairs
Pair(s)	24	7x32	TC - Tinned Copper	5

Conductor Count:	10
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#### Insulation

Element	Material	Nominal Wall Thickness
Pair(s)	S-R PVC - Semi-Rigid Polyvinyl Chloride	0.0105 in

#### Color Chart

Number	Color
1	Black & Red
2	Black & White
3	Black & Green
4	Black & Blue
5	Black & Yellow

#### 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

#### Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.289 in	0.032 in

### Electrical Characteristics

#### Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
24 Ohm/1000ft	17 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]
1.5 Amps per conductor @ 25°C A

## 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:	40 lbs/1000ft
Max Recommended Pulling Tension:	55 lbs
Min Bend Radius/Minor Axis:	3 in

## Standards

NEC/(UL) Specification:	CMG
CEC/C(UL) Specification:	CMG
UL AWM Style:	2464
CSA AWM Specification:	I/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):	2005-04-01
MII Order #39 (China RoHS):	Yes

## Suitability

Suitability - Indoor:	Yes
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## Flammability, LSOH, Toxicity Testing

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
Plenum Number:	89505, 82505

## Part Number

## Variants

Item #	Color	Putup Type	Length	UPC/EAN
9505.0030	Chrome	Reel	30 m	8719605021243
9505.060100	Chrome	Reel	100 ft	612825254324
9505.00U152	Chrome	UnReel	152 m	8719605021267
9505.01152	Chrome	Reel	152 m	8719605021281
9505.00305	Chrome	Reel	305 m	8719605021250
9505.00U305	Chrome	UnReel	305 m	8719605021274
9505.060500	Chrome	Reel	500 ft	612825254348
9505.060U500	Chrome	UnReel	500 ft	612825254317
9505.0601000	Chrome	Reel	1,000 ft	612825254331
9505.060U1000	Chrome	UnReel	1,000 ft	612825254300
9505.001525	Chrome	Reel	1,525 m	8719605179791
9505.0605000	Chrome	Reel	5,000 ft	612825254355

Footnote:	C - CRATE REEL PUT-UP.
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## History

Update and Revision:	Revision Number: 0.265 Revision Date: 05-19-2020
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