



Product: [9504](#)

RS-232, #24-4pr, 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, 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	4

Conductor Count: 8

Insulation

Element	Material	Nominal Wall Thickness
Pair(s)	S-R PVC - Semi-Rigid Polyvinyl Chloride	0.011 in

Color Chart

Number	Color
1	Black & Red
2	Black & White
3	Black & Green
4	Black & 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

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.259 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

Delay

Max. Delay Skew	Nominal Velocity of Propagation (VP) [%]

60 ns/100m	60 %
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Current

Max. Recommended Current [A]
1.5 Amps per conductor @ 25°C A

Voltage

UL Voltage Rating
300 V RMS (UL AWM Style 2464)

Temperature Range

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

Mechanical Characteristics

Bulk Cable Weight:	32 lbs/1000ft
Max Recommended Pulling Tension:	44 lbs
Min Bend Radius/Minor Axis:	2.625 in

Standards

NEC/(UL) Specification:	CMG
CEC/C(UL) Specification:	CMG
UL AWM Style:	2464 (300 V 80°C)
CSA AWM Specification:	AWM 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

Flammability, LSOH, Toxicity Testing

UL Flammability:	UL1685 FT4 Loading
CSA Flammability:	FT4
ISO/IEC Flammability:	IEC 60332-1-2
UL voltage rating:	300 V RMS (UL AWM Style 2464)

Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	89504, 82504

Part Number

Variants

Item #	Color	Putup Type	Length	UPC/EAN
9504.0030	Chrome	Reel	30 m	8719605021144
9504 060100	Chrome	Reel	100 ft	612825254263
9504.00U152	Chrome	UnReel	152 m	8719605021151
9504.01152	Chrome	Reel	152 m	8719605021175
9504.00U305	Chrome	UnReel	305 m	8719605021168
9504.01305	Chrome	Reel	305 m	8719605021182
9504 060500	Chrome	Reel	500 ft	612825254287
9504 060U500	Chrome	UnReel	500 ft	612825254256
9504 0601000	Chrome	Reel	1,000 ft	612825254270
9504 060U1000	Chrome	UnReel	1,000 ft	612825254249

9504 0605000	Chrome	Reel	5,000 ft	612825254294
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Footnote:	C - CRATE REEL PUT-UP.
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History

Update and Revision:	Revision Number: 0.309 Revision Date: 05-11-2020
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