



Part Number: 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

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Conductors	No. of Pairs
24	7x32	TC - Tinned Copper	8	4

Conductor Count:	8
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Insulation

Material	Nominal Wall Thickness
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	Aluminum/Polyester	Beldfoil®	100 %	TC - Tinned Copper	24	7x32 mm

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 %

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

CA Prop 65 (CJ for Wire & Cable): Yes

MII Order #39 (China RoHS): Yes

Flammability, LS0H, 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	UPC	Length	Footnote
9504.0030	Chrome		30 m	
9504.00U152	Chrome		152 m	
9504.00U305	Chrome		305 m	
9504.01152	Chrome		152 m	
9504.01305	Chrome		305 m	
9504 060100	Chrome	612825254263	100 ft	
9504 0601000	Chrome	612825254270	1,000 ft	C
9504 060500	Chrome	612825254287	500 ft	
9504 0605000	Chrome	612825254294	5,000 ft	C
9504 060U1000	Chrome	612825254249	1,000 ft	
9504 060U500	Chrome	612825254256	500 ft	
9504.K1305	Chrome		305 m	

Footnote:	C - CRATE REEL PUT-UP.
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History

Update and Revision:	Revision Number: 0.295 Revision Date: 08-22-2019
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