



Product: [9502](#)

RS-232, #24-2pr, 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, 2 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	2

Conductor Count:	4
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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

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	0.222 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

Inductance

Nominal Inductance
0.19 μH/ft

Delay

Max. Delay Skew	Nominal Velocity of Propagation (VP) [%]
60 ns/100m	60 %

Current

Max. Recommended Current [A]
1.76 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:	26 lbs/1000ft
Max Recommended Pulling Tension:	22 lbs
Min Bend Radius/Minor Axis:	2.25 in

Standards

NEC/(UL) Specification:	CMG
CEC/C(UL) Specification:	CMG
UL AWM Style:	2464
CSA AWM Specification:	I/II, A
CPR Euroclass:	Eca
PMSHA Specification:	SC-7K-182037

Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	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
Suitability - Sunlight Resistance:	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

Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	82502

Part Number

Variants

Item #	Color	Putup Type	Length	UPC/EAN
9502.0030	Chrome	Reel	30 m	8719605020840
9502 060100	Chrome	Reel	100 ft	612825254133

9502.00U152	Chrome	UnReel	152 m	8719605020857
9502.01152	Chrome	Reel	152 m	8719605020888
9502.00U305	Chrome	UnReel	305 m	8719605020864
9502.01305	Chrome	Reel	305 m	8719605020901
9502.01305	Chrome	Reel	305 m	8719605020901
9502 060500	Chrome	Reel	500 ft	612825254164
9502 060U500	Chrome	UnReel	500 ft	612825254126
9502 0601000	Chrome	Reel	1,000 ft	612825254140
9502 060U1000	Chrome	UnReel	1,000 ft	612825254119
9502.011500	Chrome	Reel	1,500 m	8719605020871
9502.013048	Chrome	Reel	3,048 m	8719605020895
9502 0605000	Chrome	Reel	5,000 ft	612825254171
9502 06010000	Chrome	Reel	10,000 ft	612825254157

Footnote:	C - CRATE REEL PUT-UP.
Footnote:	Y - FINAL PUT-UP LENGTH MAY VAR -10% TO +20% FROM LENGTH SHOWN. MAY CONTAIN 2 PIECES. MINIMUM LENGTH OF ANY ONE PIECE IS 1500'.
Footnote:	Z - FINAL PUT-UP MAY VARY (= OR -) 10% FOR SPOOLS OR REELS AND (+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN.

Product Notes

Notes:	Pennsylvania Department of Environmental Resources and United States Mine Safety and Health Administration certification. Request quotations on RG/U cables not listed.
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History

Update and Revision:	Revision Number: 0.317 Revision Date: 05-19-2020
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