



Product: [9538](#)

RS232, #24-8c, SR-PVC, O/A Foil, PVC Jkt, CMG

Product Description

Computer EIA RS-232 Cable, 24 AWG stranded (7x32) tinned copper conductors, semi-rigid PVC insulation, overall Beldfoil® shield (100% coverage), 24 AWG stranded tinned copper drain wire, PVC jacket.

Technical Specifications

Product Overview

Suitable Applications:	RS-232
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Physical Characteristics (Overall)

Conductor

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

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
2	White
3	Red
4	Green
5	Brown
6	Blue
7	Orange
8	Yellow

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	0.224 in	0.032 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
25 Ohm/1000ft	18 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield

33 pF/ft	65 pF/ft
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Current

Max. Recommended Current [A]

Per conductor @ 25°C: 1.75 A

Current Table Note: 10C Temperature Rise

Voltage

UL Voltage Rating

300 V RMS

Temperature Range

UL Temp Rating: 80°C (UL AWM Style 2464)

Operating Temp Range: -30°C To +80°C

Mechanical Characteristics

Bulk Cable Weight: 31 lbs/1000ft

Max Recommended Pulling Tension: 44 lbs

Min Bend Radius/Minor Axis: 2.25 in

Standards

NEC Articles: 800

NEC/(UL) Specification: CMG

CEC/C(UL) Specification: CMG

UL AWM Style: 2464 (300 V 80°C)

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 2015/863/EU: 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

Suitability

Suitability - Indoor: 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

Plenum/Non-Plenum

Plenum (Y/N): No

Part Number

Variants

Item #	Color	UPC	Length	Footnote
9538.0030	Chrome		30 m	
9538.00U152	Chrome		152 m	
9538.00U305	Chrome		305 m	
9538.01152	Chrome		152 m	
9538.01305	Chrome		305 m	

9538 060100	Chrome	612825255345	100 ft	
9538 0601000	Chrome	612825255352	1,000 ft	C
9538 060500	Chrome	612825255369	500 ft	C
9538 0605000	Chrome	612825255376	5,000 ft	C
9538 060U1000	Chrome	612825255321	1,000 ft	
9538 060U500	Chrome	612825255338	500 ft	
9538.K1305	Chrome		305 m	
9538.011000	Chrome		1,000 m	

Footnote:	C - CRATE REEL PUT-UP.
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History

Update and Revision:	Revision Number: 0.283 Revision Date: 01-31-2020
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