



Product: [9503](#)

RS-232, #24-3pr, 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, 3 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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Construction Details

Conductor

Element	Number of Element	AWG	Stranding	Material
Pair(s)	3	24	7x32	TC - Tinned Copper

Insulation

Element	Material	Thickness [in.]	Color Code
Pair(s)	S-R PVC - Semi-Rigid Polyvinyl Chloride	0.0105	Black & Red, Black & White, Black & Green

Outer Shield Material

Shield Type	Material	Coverage	Drainwire Type
Tape	Alum / Poly	100%	24 AWG (7x32) TC

Outer Jacket Material

Material	Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.032 in	0.232 in

Cable Diameter (Nominal):	0.232 in
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Electrical Characteristics

Electricals

Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Characteristic Impedance	Nom. Velocity of Prop.	Max. Current
24 Ohm/1000ft	30 pF/ft	50 pF/ft	75 Ohm	60%	1.76 Amps per Conductor at 25°C
Nom Outer Shield DCR:	17 Ohm/1000ft				

Voltage

UL Voltage Rating
300 V (CMG), 300 V (UL AWM 2464)

Mechanical Characteristics

Temperature

UL Rating	Operating
80°C (UL AWM 2464)	-30°C to +80°C

Bend Radius

Stationary Min.

2.5 in

Max. Pull Tension: 33 lbs

Bulk Cable Weight: 26 lbs/1000ft

Standards and Compliance

Environmental Suitability: Indoor

Flammability / Fire Resistance: UL1685 FT4 Loading, FT4, IEC 60332-1-2

NEC / UL Compliance: CMG

AWM Compliance: 2464, I/II, A

CEC / C(UL) Compliance: CMG

CPR Euroclass: Eca

European Directive Compliance: EU CE Mark, EU Directive 2011/65/EU (ROHS II), EU Directive 2012/19/EU (WEEE)

APAC Compliance: China RoHS II (GB/T 26572-2011)

Plenum Number: 89503, 82503

History

Update and Revision: Revision Number: 0.337 Revision Date: 06-25-2020

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