Product: 9509 ⎘

RS-232, #24-9pr, 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, 9 twisted pairs, overall Beldfoil® shield (100% coverage), 24 AWG stranded tinned copper drain wire (continued), 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

Construction Details

Conductor

Element	Number of Element	AWG	Stranding	Material
Pair(s)	9	24	7x32	TC - Tinned Copper

Insulation

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

Outer Shield Material

Type	Material	Coverage	Drainwire Type
Tape	Alum / Poly	100%	7x32 - TC

Outer Jacket Material

Material	Nominal Wall Thickness	Nominal Diameter
PVC - Polyvinyl Chloride	0.032 in	0.334 in

Electrical Characteristics

Electricals

Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Grnd	Nom. Velocity of Prop.	Max. Current
24 Ohm/1000ft	30 pF/ft	50 pF/ft	60 %	1.1 Amps per conductor @ 25°C A

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.
3.5 in

Max Recommended Pulling Tension:	99 lbs

Standards and Compliance

Environmental Suitability:	Indoor
Sustainability:	CA Prop 65 (CJ for Wire and Cable)
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 2

History

Update and Revision:	Revision Number: 0.305 Revision Date: 05-29-2020