

Product: [9550](#) 



RS232, #24-50pr, 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, 50 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
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Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Pair(s)	50	24 AWG	7x32	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	SR-PVC - Polyvinyl Chloride (Semi-Rigid)	0.011 in (0.28 mm)	0.044 in (1.1 mm)	Blue & White, Orange & White, Green & White, Brown & White, Gray & White, Blue/ White & White, Blue/Orange & White, Blue/Green & White, Blue/Brown & White, Blue/Gray & White, Orange/White & White, Orange/Green & White, Orange/Brown & White, Orange/Gray & White, Green/White & White, Green/Brown & White, Green/Gray & White, Brown/White & White, Brown/Gray & White, Gray/White & White, Blue & Red, Orange & Red, Green & Red, Brown & Red, Gray & Red, Blue/White & Red, Blue/Orange & Red, Blue/Green & Red, Blue/Brown & Red, Blue/Gray & Red, Orange/White & Red, Orange/Green & Red, Orange/Brown & Red, Orange/Gray & Red, Green/White & Red, Green/Brown, Red, Green/Gray & Red, Brown/White & Red, Brown/Gray & Red, Gray/White & Red, Blue & Black, Orange & Black, Green & Black, Brown & Black, Gray & Black, Blue/White & Black, Blue/Orange & Black, Blue/Green & Black, Blue/Brown & Black, Blue/Gray & Black

Outer Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	24 AWG (7x32) TC

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.054 in (1.4 mm)	0.708 in (18.0 mm)

Overall Cable Diameter (Nominal):	0.708 in (18.0 mm)
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Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Velocity of Prop.	Max. Current
Pair(s)	28.8 Ohm/1000ft	30 pF/ft (98 pF/m)	50 pF/ft (160 pF/m)	60%	2.2 Amps per Conductor at 25°C

Nom Outer Shield DCR:	9.01 Ohm/1000ft (29.6 Ohm/km)
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Voltage

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

Mechanical Characteristics

Temperature

UL Temperature	Operating
80°C	-30°C to +80°C

Bend Radius

Stationary Min.	Installation Min.
7.1 in (180 mm)	7.1 in (180 mm)

Max. Pull Tension:	556 lbs (252 kg)
Bulk Cable Weight:	286 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor
Flammability / Reaction to Fire:	UL 1685 FT4 Loading, FT4
CPR Compliance:	CPR Euroclass: Eca
NEC / UL Compliance:	Article 800, CMG
AWM Compliance:	AWM 2464, AWM I/II A
CEC / C(UL) Compliance:	CMG.
European Directive Compliance:	EU CE Mark, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
UK Regulation Compliance:	UKCA Mark
APAC Compliance:	China RoHS II (GB/T 26572-2011)

History

Update and Revision:	Revision Number: 0.462 Revision Date: 09-07-2025
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Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
9550 060100	Chrome	Reel	100 ft	612825255741	C
9550 060500	Chrome	Reel	500 ft	612825255765	C D
9550 0601000	Chrome	Reel	1,000 ft	612825255758	C D

Footnote:	C - CRATE REEL PUT-UP., D - FINAL PUT-UP LENGTH MAY VARY -0% TO +20% FROM LENGTH SHOWN.
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