



Product: [8342](#) 

RS232, Low Cap, #24-12.5pr, SR-PVC, O/A Foil+Braid, PVC Jkt, CMG

Product Description

Computer EIA RS-232 Cable, 12-Pair, 24 AWG stranded (7x32) tinned copper conductors, semi-rigid PVC insulation, overall Beldfoil® (100% coverage) + tinned copper braid shield (65% coverage), PVC jacket.

Technical Specifications

Product Overview

Suitable Applications:	RS-232 extended distance 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)	12	24	7x32	TC - Tinned Copper
Conductor(s)	1	24	7x32	TC - Tinned Copper

Insulation

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

Outer Shield Material

Type	Material	Coverage
Tape + Braid	Alum / Poly + Tinned Copper (TC)	100% + 65%

Outer Jacket Material

Material	Thickness	Diameter
PVC - Polyvinyl Chloride	0.040 in	0.407 in

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Characteristic Impedance	Nom. Velocity of Prop.	Max. Current
Pair(s)	24 Ohm/1000ft	30 pF/ft	50 pF/ft	75 Ohm	60%	1.1 Amps per conductor at 25°C

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.
4.25 in

Bulk Cable Weight:	100 lbs/1000ft
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Standards and Compliance

Environmental Suitability:	Indoor
Flammability / Fire Resistance:	UL1685 FT4 Loading, FT4, IEC 60332-1-2
NEC / UL Compliance:	Article 800, CMG
AWM Compliance:	2464, AWM I 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)
Other Standard Compliance(s):	C(RU) AWM I, A 80C 300V

History

Update and Revision:	Revision Number: 0.257 Revision Date: 06-05-2020
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