


**Product: [8335](#)**

RS232, Low Cap, #24-5pr, SR-PVC, O/A Foil+Braid, PVC Jkt, CMG

**Product Description**

Computer EIA RS-232 Cable, 5-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	No. of Elements	Size	Stranding	Material
Pair(s)	5	24 AWG	7x32	TC - Tinned Copper

**Insulation**

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	SR-PVC - Polyvinyl Chloride (Semi-Rigid)	0.0105 in (0.267 mm)	0.044 in (1.1 mm)	Western Electric Standard

**Outer Shield**

Shield Type	Material	Coverage
Tape	Bi-Laminate (Alum+Poly)	100%
Braid	Tinned Copper (TC)	65%

**Outer Jacket**

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.035 in (0.89 mm)	0.295 in (7.49 mm)

Overall Cable Diameter (Nominal):	0.295 in (7.49 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. Characteristic Impedance	Nom. Velocity of Prop.	Max. Current
Pair(s)	28.8 Ohm/1000ft	30 pF/ft (98 pF/m)	50 pF/ft (160 pF/m)	75 Ohm	60%	2.2 Amps per Conductor at 25°C
Nom Outer Shield DCR:		6.7 Ohm/1000ft (22 Ohm/km)				

**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.
2.9 in (74 mm)	2.9 in (74 mm)

Max. Pull Tension:	55 lbs (25 kg)
Bulk Cable Weight:	52 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 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: 0.463 Revision Date: 09-07-2025
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## Part Numbers

### Variants

Item #	Color	Putup Type	Length	UPC	Footnote
8335 060100	Chrome	Reel	100 ft	612825204398	
8335 060500	Chrome	Reel	500 ft	612825204411	
8335 0601000	Chrome	Reel	1,000 ft	612825204404	C

Footnote:	C - CRATE REEL PUT-UP.
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