


**Product: [8310](#)**

RS232, Low Cap, #22-10pr, SR-PVC, O/A Foil+Braid, PVC Jkt, CMG

**Product Description**

Computer EIA RS-232 Cable, 22 AWG stranded (7x30) tinned copper conductors, semi-rigid PVC insulation, 10 twisted pairs, 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)	10	22 AWG	7x30	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)	0.051 in (1.3 mm)	Black & Red, Black & White, Black & Green, Black & Blue, Black & Yellow, Black & Brown, Black & Orange, Red & White, Red & Green, Red & Blue

**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	0.040 in (1.0 mm)	0.440 in (11.2 mm)

Overall Cable Diameter (Nominal):	0.440 in (11.2 mm)
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**Electrical Characteristics**
**Electricals**

Element	Nom. Conductor DCR	Max. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Velocity of Prop.	Max. Current
Pair(s)	18.2 Ohm/1000ft	9 Ohm/1000ft	35 pF/ft (110 pF/m)	63 pF/ft (210 pF/m)	60%	1.96 Amps per Conductor at 25°C
Nom Outer Shield DCR:		5.9 Ohm/1000ft (19 Ohm/km)				

**Voltage**

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

**Mechanical Characteristics**
**Temperature**

UL Temperature	Operating
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80°C

-30°C to +80°C

**Bend Radius**

Stationary Min.	Installation Min.
4.4 in (110 mm)	4.4 in (110 mm)

Max. Pull Tension: 182 lbs (82.6 kg)

Bulk Cable Weight: 111 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
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: 0.468 Revision Date: 09-07-2025

**Part Numbers****Variants**

Item #	Color	Putup Type	Length	UPC	Footnote
8310 060100	Chrome	Reel	100 ft	612825203100	C
8310 060500	Chrome	Reel	500 ft	612825203124	C
8310 0601000	Chrome	Reel	1,000 ft	612825203117	C

Footnote: C - CRATE REEL PUT-UP.

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