



**Product:** [8302](#)

RS-232, Low Cap, #22-2pr, 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, 2 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)	2	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

##### 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)	0.280 in (7.11 mm)

Overall Cable Diameter (Nominal): 0.280 in (7.11 mm)

#### 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)	18.2 Ohm/1000ft	40 pF/ft (130 pF/m)	72 pF/ft (240 pF/m)	60%	2.8 Amps per Conductor at 25°C

##### 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.
2.8 in (71 mm)	2.8 in (71 mm)

Max. Pull Tension:	36.4 lbs (16.5 kg)
Bulk Cable Weight:	38 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: 0.520 Revision Date: 01-20-2023
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## Part Numbers

### Variants

Item #	Color	Putup Type	Length	UPC	Footnote
8302 060100	Chrome	Reel	100 ft	612825200796	
8302 060500	Chrome	Reel	500 ft	612825200819	C
8302 0601000	Chrome	Reel	1,000 ft	612825200802	C
8302 0605000	Chrome	Reel	5,000 ft	612825200826	

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