



**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	Number of Element	AWG	Stranding	Material
Pair(s)	2	22	7x30	TC - Tinned Copper

#### Insulation

Element	Material	Thickness	Color Code
Pair(s)	SR-PVC - Polyvinyl Chloride (Semi-Rigid)	0.011 in	Black & Red, Black & White

#### Outer Shield Material

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

#### Outer Jacket Material

Material	Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.035 in	0.280 in

Cable Diameter (Nominal): 0.280 in

### 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)	15 Ohm/1000ft	40 pF/ft	72 pF/ft	60%	2.4 Amps per Conductor at 25°C

Nom Outer Shield DCR: 5.7 Ohm/1000ft

#### 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.	Installation Min.
3 in	2.8 in

Max. Pull Tension:	66 lbs
Bulk Cable Weight:	38 lbs/1000ft

## 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
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)

## History

Update and Revision:	Revision Number: 0.346 Revision Date: 09-30-2020
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