



**Product:** [8332](#)

RS232, Low Cap, #24-2pr, SR-PVC, O/A Foil+Braid, PVC Jkt, CMG

### Product Description

Computer EIA RS-232 Cable, 2-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 |
|------------------------|---|

#### Construction Details

##### Conductor

| Element | Number of Element | AWG | Stranding | Material           |
|---------|-------------------|-----|-----------|--------------------|
| Pair(s) | 2                 | 24  | 7x32      | TC - Tinned Copper |

##### Insulation

| Element | Material                                 | Thickness | Color Code   |
|---------|--|-----------|--|
| Pair(s) | SR-PVC - Polyvinyl Chloride (Semi-Rigid) | 0.0105 in | White/Blue Stripe & Blue/White Stripe, White/Orange Stripe & Orange/White Stripe |

##### 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  | 0.250 in      |

Cable Diameter (Nominal): 0.250 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%                    | 1.8 Amps per Conductor at 25°C |

Nom Outer Shield DCR: 5.4 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.

2.5 in

Bulk Cable Weight: 33 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, 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)   |

## History

|                      |  |
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| Update and Revision: | Revision Number: 0.293 Revision Date: 02-16-2021 |
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