



**Product:** [9941](#)

RS-232, #22-5c, SR-PVC, Beldfoil+Braid, PVC Jkt, CMG

## Product Description

Computer EIA RS-232 Cable, 22 AWG stranded (7x30) 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 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           |
|--------------|-------------------|-----|-----------|--------------------|
| Conductor(s) | 5                 | 22  | 7x30      | TC - Tinned Copper |

#### Insulation

| Element      | Material                                 | Thickness [in.] | Color Code                      |
|--------------|--|-----------------|---------------------------------|
| Conductor(s) | SR-PVC - Polyvinyl Chloride (Semi-Rigid) | 0.011           | Black, White, Red, Green, Brown |

#### Outer Shield Material

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

#### Outer Jacket Material

| Material                 | Thickness | Nom. Diameter |
|--------------------------|-----------|---------------|
| PVC - Polyvinyl Chloride | 0.035 in  | 0.230 in      |

Cable Diameter (Nominal): 0.230 in

### Electrical Characteristics

#### Electricals

| Element      | Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) | Max. Current                   |
|--------------|--------------------|-------------------------------|---|--------------------------------|
| Conductor(s) | 14.7 Ohm/1000ft    | 37 pF/ft                      | 67 pF/ft  | 1.8 Amps per Conductor at 25°C |

Nom Outer Shield DCR: 7.1 Ohm/1000ft

#### Voltage

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

### Mechanical Characteristics

#### Temperature

| UL Rating                        | Operating      |
|----------------------------------|----------------|
| 60°C (UL CMG);80°C (UL AWM 2464) | -30°C to +80°C |

#### Bend Radius

| Stationary Min. | Installation Min. |
|-----------------|-------------------|
|                 |                   |

|        |        |
|--------|--------|
| 2.5 in | 2.8 in |
|--------|--------|

|                    |               |
|--------------------|---------------|
| Bulk Cable Weight: | 35 lbs/1000ft |
|--------------------|---------------|

## Standards and Compliance

|                                 |  |
|---------------------------------|--|
| Environmental Suitability:      | Indoor (Not Riser or Plenum), Indoor   |
| Sustainability:                 | CA Prop 65                             |
| 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                             |

## History

|                      |  |
|----------------------|--|
| Update and Revision: | Revision Number: 0.335 Revision Date: 08-25-2020 |
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