



**Product:** [9948](#) 

RS-232, #22-25c, 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, 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) | 25                | 22  | 7x30      | TC - Tinned Copper |

#### Insulation

| Element      | Material                                | Thickness [in.] | Color Code                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|--------------|-----------------------------------------|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Conductor(s) | S-R PVC - Semi-Rigid Polyvinyl Chloride | 0.011           | Black, White, Red, Green, Orange, Blue, White/Black Stripe, Red/Black Stripe, Green/Black Stripe, Orange/Black Stripe, Blue/Black Stripe, Black/White Stripe, Red/White Stripe, Green/White Stripe, Blue/White Stripe, Black/Red Stripe, White/Red Stripe, Orange/Red Stripe, Blue/Red Stripe, Red/Green Stripe, Orange/Green Stripe, Black/White/Red Stripes, White/Black/Red Stripes, Red/Black/White Stripes, Green/Black/White Stripes |

#### Outer Shield Material

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

#### Outer Jacket Material

| Material                 | Thickness | Nom. Diameter |
|--------------------------|-----------|---------------|
| PVC - Polyvinyl Chloride | 0.040 in  | 0.410 in      |

|                           |          |
|---------------------------|----------|
| Cable Diameter (Nominal): | 0.410 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    | 35 pF/ft                      | 63 pF/ft                                        | 1.3 Amps per Conductor at 25°C |

|                       |                |
|-----------------------|----------------|
| Nom Outer Shield DCR: | 3.1 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. |
| 4.25 in         |

|                    |                |
|--------------------|----------------|
| Bulk Cable Weight: | 123 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: 0.320 Revision Date: 07-28-2020 |
|----------------------|--------------------------------------------------|

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