



**Product:** [9610](#) 

RS232, #24-5c, SR-PVC, O/A Foil+Braid, PVC Jkt, CMG

## Product Description

Computer EIA RS-232 Cable, 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 applications; computer communications; low voltage analog signals (4-20ma, 0-10v, ...); low voltage digital control (24v, ...); line level audio; panel wiring |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### Physical Characteristics (Overall)

#### Conductor

| AWG | Stranding | Material           | No. of Conductors |
|-----|-----------|--------------------|-------------------|
| 24  | 7x32      | TC - Tinned Copper | 5                 |

|                  |   |
|------------------|---|
| Conductor Count: | 5 |
|------------------|---|

#### Insulation

| Material                                | Nominal Wall Thickness |
|-----------------------------------------|------------------------|
| S-R PVC - Semi-Rigid Polyvinyl Chloride | 0.011 in               |

#### Color Chart

| Number | Color |
|--------|-------|
| 1      | Black |
| 2      | White |
| 3      | Red   |
| 4      | Green |
| 5      | Brown |

#### Outer Shield Material

| Type  | Layer | Material           | Material Trade Name | Coverage [%] |
|-------|-------|--------------------|---------------------|--------------|
| Tape  | 1     | Alum / Poly        | Beldfoil®           | 100 %        |
| Braid | 2     | TC - Tinned Copper |                     | 65 %         |

#### Outer Jacket Material

| Material                 | Nominal Diameter | Nominal Wall Thickness |
|--------------------------|------------------|------------------------|
| PVC - Polyvinyl Chloride | 0.215 in         | 0.036 in               |

### Electrical Characteristics

#### Conductor DCR

| Nominal Conductor DCR | Nominal Outer Shield DCR |
|-----------------------|--------------------------|
| 25 Ohm/1000ft         | 6.5 Ohm/1000ft           |

#### Capacitance

| Nom. Capacitance Conductor to Conductor | Nom. Capacitance Conductor to Other Conductor to Shield |
|-----------------------------------------|---------------------------------------------------------|
| 35 pF/ft                                | 65 pF/ft                                                |

Current

| Max. Recommended Current [A]    |
|---------------------------------|
| 1.8 Amps per conductor @ 25°C A |

Voltage

| UL Voltage Rating |
|-------------------|
| 300 V RMS         |

Temperature Range

|                       |                          |
|-----------------------|--------------------------|
| UL Temp Rating:       | 80°C (UL AWM Style 2464) |
| Operating Temp Range: | -30°C To +80°C           |

Mechanical Characteristics

|                             |               |
|-----------------------------|---------------|
| Bulk Cable Weight:          | 29 lbs/1000ft |
| Min Bend Radius/Minor Axis: | 2.25 in       |

Standards

|                          |                   |
|--------------------------|-------------------|
| NEC/(UL) Specification:  | CMG               |
| CEC/C(UL) Specification: | CMG               |
| UL AWM Style:            | 2464 (300 V 80°C) |
| CPR Euroclass:           | Eca               |

Applicable Environmental and Other Programs

|                                       |                               |
|---------------------------------------|-------------------------------|
| EU Directive 2000/53/EC (ELV):        | Yes                           |
| EU Directive 2003/96/EC (BFR):        | Yes                           |
| EU Directive 2011/65/EU (ROHS II):    | Yes                           |
| EU Directive 2012/19/EU (WEEE):       | Yes                           |
| EU Directive Compliance:              | EU Directive 2003/11/EC (BFR) |
| EU CE Mark:                           | Yes                           |
| EU RoHS Compliance Date (yyyy-mm-dd): | 2005-10-01                    |
| MII Order #39 (China RoHS):           | Yes                           |

Flammability, LS0H, Toxicity Testing

|                       |                    |
|-----------------------|--------------------|
| UL Flammability:      | UL1685 FT4 Loading |
| CSA Flammability:     | FT4                |
| ISO/IEC Flammability: | IEC 60332-1-2      |
| UL voltage rating:    | 300 V RMS          |

Plenum/Non-Plenum

|               |    |
|---------------|----|
| Plenum (Y/N): | No |
|---------------|----|

Part Number

Variants

| Item #       | Color  | Putup Type | Length   | UPC          |
|--------------|--------|------------|----------|--------------|
| 9610 060100  | Chrome | Reel       | 100 ft   | 612825256342 |
| 9610 060500  | Chrome | Reel       | 500 ft   | 612825256366 |
| 9610 0601000 | Chrome | Reel       | 1,000 ft | 612825256359 |

|           |                        |
|-----------|------------------------|
| Footnote: | C - CRATE REEL PUT-UP. |
|-----------|------------------------|

History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.278 Revision Date: 04-28-2020 |
|----------------------|--------------------------------------------------|

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