



**Product:** [9539](#)

RS232, #24-9c, SR-PVC, O/A Foil, PVC Jkt, CMG

## Product Description

Computer EIA RS-232 Cable, 24 AWG stranded (7x32) tinned copper conductors, semi-rigid PVC insulation, overall Beldfoil® shield (100% coverage), 24 AWG stranded tinned copper drain wire, PVC jacket.

## Technical Specifications

### Product Overview

|                        |        |
|------------------------|--------|
| Suitable Applications: | RS-232 |
|------------------------|--------|

### Physical Characteristics (Overall)

#### Conductor

| AWG | Stranding | Material           | No. of Conductors |
|-----|-----------|--------------------|-------------------|
| 24  | 7x32      | TC - Tinned Copper | 9                 |

|                  |   |
|------------------|---|
| Conductor Count: | 9 |
|------------------|---|

#### 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  |
| 6      | Blue   |
| 7      | Orange |
| 8      | Yellow |
| 9      | Purple |

#### Outer Shield Material

| Type | Material           | Material Trade Name | Coverage [%] | Drainwire Material | Drainwire AWG | Drainwire Construction n x D |
|------|--------------------|---------------------|--------------|--------------------|---------------|------------------------------|
| Tape | Aluminum/Polyester | Beldfoil®           | 100 %        | TC - Tinned Copper | 24            | 7x32 mm                      |

#### Outer Jacket Material

| Material                 | Nominal Diameter | Nominal Wall Thickness |
|--------------------------|------------------|------------------------|
| PVC - Polyvinyl Chloride | 0.244 in         | 0.032 in               |

### Electrical Characteristics

#### Conductor DCR

| Nominal Conductor DCR | Nominal Outer Shield DCR |
|-----------------------|--------------------------|
| 25 Ohm/1000ft         | 18 Ohm/1000ft            |

#### Capacitance

| Nom. Capacitance Conductor to Conductor | Nom. Capacitance Conductor to Other Conductor to Shield |
|---|---|
| 30 pF/ft                                | 55 pF/ft  |

#### Current

| Max. Recommended Current [A] |
|------------------------------|
| Per conductor @ 25°C: 1.75 A |

|                     |                      |
|---------------------|----------------------|
| Current Table Note: | 10C Temperature Rise |
|---------------------|----------------------|

#### 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:               | 33 lbs/1000ft |
| Max Recommended Pulling Tension: | 49.5 lbs      |
| Min Bend Radius/Minor Axis:      | 2.5 in        |

#### Dimensions (WxHxD)

| Height |
|--------|
| 12.99  |

#### Standards

|                          |                   |
|--------------------------|-------------------|
| NEC Articles:            | 800               |
| 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 2015/863/EU:             | Yes                           |
| EU Directive Compliance:              | EU Directive 2003/11/EC (BFR) |
| EU CE Mark:                           | Yes                           |
| EU RoHS Compliance Date (yyyy-mm-dd): | 2005-04-01                    |
| CA Prop 65 (CJ for Wire & Cable):     | Yes                           |
| MII Order #39 (China RoHS):           | Yes                           |

#### Suitability

|                       |     |
|-----------------------|-----|
| Suitability - Indoor: | Yes |
|-----------------------|-----|

#### Flammability, LSOH, 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 | UPC | Length | Footnote |
|--------|-------|-----|--------|----------|
|--------|-------|-----|--------|----------|

|               |        |              |          |   |
|---------------|--------|--------------|----------|---|
| 9539.01U305   | Blue   |              | 305 m    |   |
| 9539.0030     | Chrome |              | 30 m     |   |
| 9539.00U152   | Chrome |              | 152 m    |   |
| 9539.00U305   | Chrome |              | 305 m    |   |
| 9539.01152    | Chrome |              | 152 m    |   |
| 9539.01305    | Chrome |              | 305 m    |   |
| 9539 060100   | Chrome | 612825255406 | 100 ft   |   |
| 9539 0601000  | Chrome | 612825255413 | 1,000 ft | C |
| 9539 060500   | Chrome | 612825255420 | 500 ft   | C |
| 9539 0605000  | Chrome | 612825255437 | 5,000 ft |   |
| 9539 060U1000 | Chrome | 612825255383 | 1,000 ft |   |
| 9539 060U500  | Chrome | 612825255390 | 500 ft   |   |
| 9539.K030     | Chrome |              | 30 m     |   |

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

## History

|                      |  |
|----------------------|--|
| Update and Revision: | Revision Number: 0.295 Revision Date: 01-31-2020 |
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