



**Part Number: 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**

**Use**

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

**Physical Characteristics (Overall)**

**Conductor**

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

|                             |   |
|-----------------------------|---|
| Total Number of Conductors: | 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 Foil-Polyester Tape | 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**

**Capacitance**

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

## Construction and Dimensions

### Conductor DCR

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

### High Freq

| Max. Insertion Loss (Attenuation) | Min. ACR [dB] | Min. ACRF (ELFEXT) [dB] | Min. PSACRF (PSELFEXT) [dB] | Min. ELTCTL [dB] |
|-----------------------------------|---------------|-------------------------|-----------------------------|------------------|
|                                   |               |                         |                             | 12.9 dB          |
|                                   | 12.9 dB       |                         |                             |                  |
| 13 dB/100m                        |               |                         |                             |                  |
|                                   |               | 12.9 dB                 |                             |                  |
|                                   |               |                         | 12.9 dB                     |                  |
|                                   |               |                         | 12.9 dB                     |                  |

### Current

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

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

### Voltage

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

## Applicable Standards & Environmental Programs

|                                       |                               |
|---------------------------------------|-------------------------------|
| CEC/C(UL) Specification:              | CMG                           |
| 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                    |
| CPR Euroclass:                        | Eca                           |
| CA Prop 65 (CJ for Wire & Cable):     | Yes                           |
| MII Order #39 (China RoHS):           | Yes                           |

## Standards

|                         |                   |
|-------------------------|-------------------|
| NEC Articles:           | 800               |
| NEC/(UL) Specification: | CMG               |
| UL AWM Style:           | 2464 (300 V 80°C) |

## Flame Test

|                   |                    |
|-------------------|--------------------|
| CSA Flammability: | FT4                |
| UL Flammability:  | UL1685 FT4 Loading |

## Safety

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

## Suitability

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

## Mechanical Characteristics

|                       |                |
|-----------------------|----------------|
| Operating Temp Range: | -30°C To +80°C |
|-----------------------|----------------|

|                                  |                |
|----------------------------------|----------------|
| Bulk Cable Weight:               | 33(lbs/1000ft) |
| Max Recommended Pulling Tension: | 49.5(lbs)      |
| Min Bend Radius/Minor Axis:      | 2.5(in)        |

### Temperature Range

|                 |                          |
|-----------------|--------------------------|
| UL Temp Rating: | 80°C (UL AWM Style 2464) |
|-----------------|--------------------------|

### Dimensions

|               |
|---------------|
| <b>Height</b> |
| 12.99         |

### Plenum/Non-Plenum

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

### History

### Variants

| Item #        | Color  |
|---------------|--------|
| 9539.01U305   | BLUE   |
| 9539.0030     | Chrome |
| 9539.00U152   | Chrome |
| 9539.00U305   | Chrome |
| 9539.01152    | Chrome |
| 9539.01305    | Chrome |
| 9539 060100   | Chrome |
| 9539 0601000  | Chrome |
| 9539 060500   | Chrome |
| 9539 0605000  | Chrome |
| 9539 060U1000 | Chrome |
| 9539 060U500  | Chrome |

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