



**Part Number: 9536**

RS-232, #24-6c, 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

### Physical Characteristics (Overall)

#### Conductor

| AWG | Stranding | Material           | No. of Conductors |
|-----|-----------|--------------------|-------------------|
| 24  | 7x32      | TC - Tinned Copper | 6                 |

|                  |   |
|------------------|---|
| Conductor Count: | 6 |
|------------------|---|

#### Insulation

| Material                 | Nominal Wall Thickness |
|--------------------------|------------------------|
| PVC - Polyvinyl Chloride | 0.01 in                |

#### Color Chart

| Number | Color |
|--------|-------|
| 1      | Black |
| 2      | White |
| 3      | Red   |
| 4      | Green |
| 5      | Brown |
| 6      | Blue  |

#### Outer Shield Material

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

#### Outer Jacket Material

| Material                 | Nominal Diameter | Nominal Wall Thickness |
|--------------------------|------------------|------------------------|
| PVC - Polyvinyl Chloride | 0.209 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 | Nom. Capacitance Conductor to Shield |
|---|---|--------------------------------------|
| 33 pF/ft                                | 65 pF/ft  | 12.8 pF/m                            |

#### High Frequency (Nominal/Typical)

| Nom. Insertion Loss |
|---------------------|
| 12.7 dB/100m        |

## Current

### Max. Recommended Current [A]

1.75 Amps per conductor @ 25°C 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: 24 lbs/1000ft

Max Recommended Pulling Tension: 33 lbs

Min Bend Radius/Minor Axis: 2.25 in

## 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 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 |
|-------------|--------|--------------|---------|----------|
| 9536.001525 | Chrome |              | 1,525 m |          |
| 9536.0030   | Chrome |              | 30 m    |          |
| 9536.00U152 | Chrome |              | 152 m   |          |
| 9536.00U305 | Chrome |              | 305 m   |          |
| 9536.01152  | Chrome |              | 152 m   |          |
| 9536.01305  | Chrome |              | 305 m   |          |
| 9536 060100 | Chrome | 612825255222 | 100 ft  |          |

|               |        |              |          |   |
|---------------|--------|--------------|----------|---|
| 9536 0601000  | Chrome | 612825255239 | 1,000 ft | C |
| 9536 060500   | Chrome | 612825255246 | 500 ft   | C |
| 9536 0605000  | Chrome | 612825255253 | 5,000 ft |   |
| 9536 060U1000 | Chrome | 612825255208 | 1,000 ft |   |
| 9536 060U500  | Chrome | 612825255215 | 500 ft   |   |
| 9536.K1305    | Chrome |              | 305 m    |   |

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

**History**

|                      |  |
|----------------------|--|
| Update and Revision: | Revision Number: 0.298 Revision Date: 08-22-2019 |
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