



Product: [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

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

| Element | AWG | Stranding | Material | No. of Conductors |
|--------------|-----|-----------|--------------------|-------------------|
| Conductor(s) | 24 | 7x32 | TC - Tinned Copper | 6 |

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

Insulation

| Element | Material | Nominal Wall Thickness |
|--------------|---|------------------------|
| Conductor(s) | S-R PVC - Semi-Rigid Polyvinyl Chloride | 0.01 in |

Color Chart

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

Outer Shield Material

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

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 |
|---|---|
| 33 pF/ft | 65 pF/ft |

High Frequency (Nominal/Typical)

Nom. Insertion Loss

12.7 dB/100m

Current

Max. Recommended Current [A]

1.75 Amps per conductor @ 25°C ambient

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: 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 | Putup Type | Length | UPC/EAN |
|-------------|--------|------------|--------|---------------|
| 9536.0030 | Chrome | Reel | 30 m | 8719605021861 |
| 9536.060100 | Chrome | Reel | 100 ft | 612825255222 |
| 9536.00U152 | Chrome | UnReel | 152 m | 8719605021878 |
| 9536.01152 | Chrome | Reel | 152 m | 8719605021892 |

| | | | | |
|---------------|--------|--------|----------|---------------|
| 9536.00U305 | Chrome | UnReel | 305 m | 8719605021885 |
| 9536.01305 | Chrome | Reel | 305 m | 8719605021908 |
| 9536 060500 | Chrome | Reel | 500 ft | 612825255246 |
| 9536 060U500 | Chrome | UnReel | 500 ft | 612825255215 |
| 9536 0601000 | Chrome | Reel | 1,000 ft | 612825255239 |
| 9536 060U1000 | Chrome | UnReel | 1,000 ft | 612825255208 |
| 9536.001525 | Chrome | Reel | 1,525 m | 8719605021854 |
| 9536 0605000 | Chrome | Reel | 5,000 ft | 612825255253 |

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

History

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| Update and Revision: | Revision Number: 0.307 Revision Date: 05-05-2020 |
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