



Part Number: 9538

RS232, #24-8c, 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 | 8 |

| | |
|------------------|--------|
| Conductor Count: | 8 |
| Conductor Size: | 24 AWG |

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 |

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 | 0.224 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 |

| | |
|------------|---------------------------|
| Shielding: | Foil(s) or Copper Tape(s) |
|------------|---------------------------|

Current

Max. Recommended Current [A]

Per conductor @ 25°C: 1.75 A

Current Table Note: 10C Temperature Rise

Voltage

UL Voltage Rating

300V 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: 31 lbs/1000ft

Max Recommended Pulling Tension: 44 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 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, LS0H, Toxicity Testing

UL Flammability: UL1685 FT4 Loading

CSA Flammability: FT4

UL Voltage Rating: 300 V RMS

Plenum/Non-Plenum

Plenum (Y/N): No

Part Number

Variants

| Item # | Color | Footnote |
|-------------|--------|----------|
| 9538.0030 | Chrome | |
| 9538.00U152 | Chrome | |
| 9538.00U305 | Chrome | |
| 9538.01152 | Chrome | |
| 9538.01305 | Chrome | |
| 9538 060100 | Chrome | |

| | | |
|---------------|--------|---|
| 9538 0601000 | Chrome | C |
| 9538 060500 | Chrome | C |
| 9538 0605000 | Chrome | C |
| 9538 060U1000 | Chrome | |
| 9538 060U500 | Chrome | |

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