



Product: [9533](#)

RS-232, #24-3c, SR-PVC, O/A Foil, PVC Jkt, CMG

Product Description

Computer EIA RS-232 Cable, 24 AWG stranded (7x32) tinned copper conductors, 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 |
|------------------------|---|

Construction Details

Conductor

| Element | No. of Elements | Size | Stranding | Material |
|--------------|-----------------|--------|-----------|--------------------|
| Conductor(s) | 3 | 24 AWG | 7x32 | TC - Tinned Copper |

Insulation

| Element | Material | Nom. Thickness | Nom. Insulation Diameter | Color Code |
|--------------|--|--------------------|--------------------------|-------------------|
| Conductor(s) | SR-PVC - Polyvinyl Chloride (Semi-Rigid) | 0.011 in (0.28 mm) | 0.044 in (1.1 mm) | Black, White, Red |

Outer Shield

| Shield Type | Material | Coverage | Drainwire Type |
|-------------|-------------------------|----------|------------------|
| Tape | Bi-Laminate (Alum+Poly) | 100% | 24 AWG (7x32) TC |

Outer Jacket

| Material | Nom. Thickness | Nom. Diameter |
|--------------------------|--------------------|--------------------|
| PVC - Polyvinyl Chloride | 0.032 in (0.81 mm) | 0.162 in (4.11 mm) |

| | |
|-----------------------------------|--------------------|
| Overall Cable Diameter (Nominal): | 0.162 in (4.11 mm) |
|-----------------------------------|--------------------|

Electrical Characteristics

Electricals

| Element | Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) | Max. Current |
|--------------|--------------------|-------------------------------|---|--------------------------------|
| Conductor(s) | 25 Ohm/1000ft | 33 pF/ft (110 pF/m) | 65 pF/ft (210 pF/m) | 2.2 Amps per Conductor at 25°C |

Voltage

| UL Voltage Rating |
|----------------------------------|
| 300 V (CMG), 300 V (UL AWM 2464) |

Mechanical Characteristics

Temperature

| UL Temperature | Operating |
|----------------------------------|----------------|
| 60°C (UL CMG);80°C (UL AWM 2464) | -30°C to +80°C |

Bend Radius

| Stationary Min. | Installation Min. |
|-----------------|-------------------|
| 1.9 in (48 mm) | 1.9 in (48 mm) |

| | |
|--------------------|------------------|
| Max. Pull Tension: | 22 lbs (10.0 kg) |
| Bulk Cable Weight: | 15 lbs/1000ft |

Standards and Compliance

| | |
|----------------------------------|--|
| Environmental Suitability: | Indoor (Not Riser or Plenum), Indoor |
| Sustainability: | CA Prop 65 |
| Flammability / Reaction to Fire: | UL 1685 FT4 Loading, FT4, IEC 60332-1-2 |
| CPR Compliance: | CPR Euroclass: Eca; CPR UKCA Class: Eca |
| NEC / UL Compliance: | Article 800, CMG |
| AWM Compliance: | AWM 2464 |
| CEC / C(UL) Compliance: | CMG |
| European Directive Compliance: | EU CE Mark, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE) |
| UK Regulation Compliance: | UKCA Mark |
| APAC Compliance: | China RoHS II (GB/T 26572-2011) |

History

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|----------------------|--|
| Update and Revision: | Revision Number: 0.529 Revision Date: 03-04-2023 |
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Part Numbers

Variants

| Item # | Color | Putup Type | Length | UPC/EAN | Footnote |
|---------------|--------|------------|----------|---------------|----------|
| 9533.0030 | Chrome | Reel | 30 m | 8719605021687 | |
| 9533 060100 | Chrome | Reel | 100 ft | 612825255048 | |
| 9533.00U152 | Chrome | UnReel | 152 m | 8719605021694 | |
| 9533.01152 | Chrome | Reel | 152 m | 8719605021717 | |
| 9533.00U305 | Chrome | UnReel | 305 m | 8719605021700 | |
| 9533.01305 | Chrome | Reel | 305 m | 8719605021724 | |
| 9533 060500 | Chrome | Reel | 500 ft | 612825255062 | |
| 9533 060U500 | Chrome | UnReel | 500 ft | 612825255031 | |
| 9533 0601000 | Chrome | Reel | 1,000 ft | 612825255055 | C |
| 9533 060U1000 | Chrome | UnReel | 1,000 ft | 612825255024 | |
| 9533 0605000 | Chrome | Reel | 5,000 ft | 612825255079 | |

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