



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

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

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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