



Product: [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 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) | 8               | 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, Green, Brown, Blue, Orange, Yellow |

##### 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) | 0.224 in (5.69 mm) |

Overall Cable Diameter (Nominal): 0.224 in (5.69 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)                             | 1.5 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. |
|-----------------|-------------------|
| 2.7 in (69 mm)  | 2.7 in (69 mm)    |

|                    |                |
|--------------------|----------------|
| Max. Pull Tension: | 50 lbs (23 kg) |
| Bulk Cable Weight: | 31 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 2015/863/EU (RoHS 2 amendment), 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: 0.531 Revision Date: 04-19-2023 |
|----------------------|--|

## Part Numbers

### Variants

| Item #        | Color  | Putup Type | Length   | UPC/EAN       | Footnote |
|---------------|--------|------------|----------|---------------|----------|
| 9538.0030     | Chrome | Reel       | 30 m     | 8719605021953 |          |
| 9538 060100   | Chrome | Reel       | 100 ft   | 612825255345  |          |
| 9538.00U152   | Chrome | UnReel     | 152 m    | 8719605021960 |          |
| 9538.01152    | Chrome | Reel       | 152 m    | 8719605021984 |          |
| 9538.00U305   | Chrome | UnReel     | 305 m    | 8719605021977 |          |
| 9538.01305    | Chrome | Reel       | 305 m    | 8719605021991 |          |
| 9538 060500   | Chrome | Reel       | 500 ft   | 612825255369  | C        |
| 9538 060U500  | Chrome | UnReel     | 500 ft   | 612825255338  |          |
| 9538 0601000  | Chrome | Reel       | 1,000 ft | 612825255352  | C        |
| 9538 060U1000 | Chrome | UnReel     | 1,000 ft | 612825255321  |          |
| 9538.011000   | Chrome | Reel       | 1,000 m  | 8719605186683 |          |
| 9538 0605000  | Chrome | Reel       | 5,000 ft | 612825255376  | C        |

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