



Product: [9501](#)

RS-232, #24-1pr, SR-PVC, O/A Foil, PVC Jkt, CMG, 75Ω

Product Description

Computer EIA RS-232 Cable, 24 AWG stranded (7x32) tinned copper conductors, semi-rigid PVC insulation, 1 twisted pair, 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           |
|---------|-----------------|--------|-----------|--------------------|
| Pair(s) | 1               | 24 AWG | 7x32      | TC - Tinned Copper |

Insulation

| Element | Material                                 | Nom. Thickness     | Nom. Insulation Diameter | Color Code  |
|---------|------------------------------------------|--------------------|--------------------------|-------------|
| Pair(s) | SR-PVC - Polyvinyl Chloride (Semi-Rigid) | 0.011 in (0.28 mm) | 0.044 in (1.1 mm)        | Black & 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) | 0.156 in (3.96 mm) |

|                                   |                    |
|-----------------------------------|--------------------|
| Overall Cable Diameter (Nominal): | 0.156 in (3.96 mm) |
|-----------------------------------|--------------------|

Electrical Characteristics

Electricals

| Element | Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) | Nom. Velocity of Prop. | Max. Current                   |
|---------|--------------------|-------------------------------|-------------------------------------------------|------------------------|--------------------------------|
| Pair(s) | 24 Ohm/1000ft      | 40 pF/ft (130 pF/m)           | 74 pF/ft (240 pF/m)                             | 60%                    | 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      |
|----------------|----------------|
| 80°C           | -30°C to +80°C |

Bend Radius

| Stationary Min. | Installation Min. |
|-----------------|-------------------|
| 1.6 in (41 mm)  | 1.6 in (41 mm)    |

|                    |                 |
|--------------------|-----------------|
| Max. Pull Tension: | 17 lbs (7.7 kg) |
| Bulk Cable Weight: | 12 lbs/1000ft   |

Standards and Compliance

|                                  |                                                                              |
|----------------------------------|------------------------------------------------------------------------------|
| Environmental Suitability:       | Indoor (Not Riser or Plenum), Indoor                                         |
| 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, AWM I/II A                                                         |
| CEC / C(UL) Compliance:          | CMG, LL7874                                                                  |
| 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)                                              |
| Plenum Number:                   | 88641, 82641                                                                 |

History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.536 Revision Date: 02-15-2024 |
|----------------------|--------------------------------------------------|

Part Numbers

Variants

| Item #        | Color  | Putup Type | Length    | UPC/EAN       | Footnote |
|---------------|--------|------------|-----------|---------------|----------|
| 9501.0030     | Chrome | Reel       | 30 m      | 8719605020741 |          |
| 9501 060100   | Chrome | Reel       | 100 ft    | 612825254065  |          |
| 9501.00U152   | Chrome | UnReel     | 152 m     | 8719605020758 |          |
| 9501.01152    | Chrome | Reel       | 152 m     | 8719605020772 |          |
| 9501.00U305   | Chrome | UnReel     | 305 m     | 8719605020765 |          |
| 9501.01305    | Chrome | Reel       | 305 m     | 8719605020789 |          |
| 9501 060500   | Chrome | Reel       | 500 ft    | 612825254096  |          |
| 9501 060U500  | Chrome | UnReel     | 500 ft    | 612825254058  |          |
| 9501 0601000  | Chrome | Reel       | 1,000 ft  | 612825254072  | C        |
| 9501 060U1000 | Chrome | UnReel     | 1,000 ft  | 612825254041  |          |
| 9501 0605000  | Chrome | Reel       | 5,000 ft  | 612825254102  |          |
| 9501 06010000 | Chrome | Reel       | 10,000 ft | 612825254089  | C        |

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