



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 | Number of Element | Size | Stranding | Material |
|---------|-------------------|--------|-----------|--------------------|
| Pair(s) | 1 | 24 AWG | 7x32 | TC - Tinned Copper |

Insulation

| Element | Material | Nom. Thickness | Color Code |
|---------|--|--------------------|-------------|
| Pair(s) | SR-PVC - Polyvinyl Chloride (Semi-Rigid) | 0.011 in (0.28 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 (79 Ohm/km) | 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 (UL AWM 2464) | -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 (18 kg/km) |

Standards and Compliance

| | |
|----------------------------------|--|
| Environmental Suitability: | Indoor (Not Riser or Plenum), Indoor |
| Flammability / Reaction to Fire: | UL1685 FT4 Loading, FT4, FT1, IEC 60332-1-2 |
| CPR Compliance: | CPR Euroclass: Eca |
| NEC / UL Compliance: | Article 800, CMG |
| AWM Compliance: | AWM 2464, AWM I/II A |
| CEC / C(UL) Compliance: | CMG |
| European Directive Compliance: | EU CE Mark, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE) |
| APAC Compliance: | China RoHS II (GB/T 26572-2011) |
| Plenum Number: | 88641, 82641 |

History

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|----------------------|--|
| Update and Revision: | Revision Number: 0.373 Revision Date: 02-08-2022 |
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Part Numbers

Variants

| Item # | Color | Putup Type | Length | UPC/EAN |
|---------------|--------|------------|-----------|---------------|
| 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 |
| 9501 060U1000 | Chrome | UnReel | 1,000 ft | 612825254041 |
| 9501 0605000 | Chrome | Reel | 5,000 ft | 612825254102 |
| 9501 06010000 | Chrome | Reel | 10,000 ft | 612825254089 |

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