



Product: [9502](#)

RS-232, #24-2pr, 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, 2 twisted pairs, 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) | 2 | 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, Black & White |

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) | 0.222 in (5.64 mm) |

Overall Cable Diameter (Nominal): 0.222 in (5.64 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) | 28.8 Ohm/1000ft | 30 pF/ft (98 pF/m) | 50 pF/ft (160 pF/m) | 60% | 2.1 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. |
|-----------------|-------------------|
| 2.2 in (56 mm) | 2.2 in (56 mm) |

| | |
|--------------------|--------------------|
| Max. Pull Tension: | 27.5 lbs (12.5 kg) |
| Bulk Cable Weight: | 26 lbs/1000ft |

Standards and Compliance

| | |
|----------------------------------|--|
| Environmental Suitability: | Indoor |
| Flammability / Reaction to Fire: | UL 1685 FT4 Loading, FT4 |
| 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 |
| European Directive Compliance: | EU CE Mark, EU Directive 2012/19/EU (WEEE) |
| UK Regulation Compliance: | UKCA Mark |
| APAC Compliance: | China RoHS II (GB/T 26572-2011) |
| Other Standard Compliance(s): | P-MSHA-SC-7K-182037 |
| Plenum Number: | 82502 |

Product Notes

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| Notes: | Pennsylvania Department of Environmental Resources and United States Mine Safety and Health Administration certification. Request quotations on RG/U cables not listed. |
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History

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| Update and Revision: | Revision Number: 0.545 Revision Date: 12-22-2023 |
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Part Numbers

Variants

| Item # | Color | Putup Type | Length | UPC/EAN | Footnote |
|---------------|--------|------------|-----------|---------------|----------|
| 9502.0030 | Chrome | Reel | 30 m | 8719605020840 | |
| 9502 060100 | Chrome | Reel | 100 ft | 612825254133 | |
| 9502.00U152 | Chrome | UnReel | 152 m | 8719605020857 | |
| 9502.01152 | Chrome | Reel | 152 m | 8719605020888 | |
| 9502.00U305 | Chrome | UnReel | 305 m | 8719605020864 | |
| 9502.01305 | Chrome | Reel | 305 m | 8719605020901 | |
| 9502.01305 | Chrome | Reel | 305 m | 8719605020901 | |
| 9502 060500 | Chrome | Reel | 500 ft | 612825254164 | C |
| 9502 060U500 | Chrome | UnReel | 500 ft | 612825254126 | |
| 9502 0601000 | Chrome | Reel | 1,000 ft | 612825254140 | C |
| 9502 060U1000 | Chrome | UnReel | 1,000 ft | 612825254119 | |
| 9502.011500 | Chrome | Reel | 1,500 m | 8719605020871 | |
| 9502.013048 | Chrome | Reel | 3,048 m | 8719605020895 | |
| 9502 0605000 | Chrome | Reel | 5,000 ft | 612825254171 | C Z |
| 9502 06010000 | Chrome | Reel | 10,000 ft | 612825254157 | C Y |

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