



Product: [9615](#)

RS232, #24-10c, SR-PVC, O/A Foil+Braid, PVC Jkt, CMG

Product Description

Computer EIA RS-232 Cable, 24 AWG stranded (7x32) tinned copper conductors, semi-rigid PVC insulation, overall Beldfoil® (100% coverage) + tinned copper braid shield (65% coverage), 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) | 10 | 24 AWG | 7x32 | TC - Tinned Copper |

Insulation

| Element | Material | Nom. Thickness | Color Code |
|--------------|--|--------------------|---|
| Conductor(s) | SR-PVC - Polyvinyl Chloride (Semi-Rigid) | 0.011 in (0.28 mm) | Black, White, Red, Green, Brown, Blue, Orange, Yellow, Purple, Gray |

Outer Shield

| Shield Type | Material | Coverage |
|-------------|-------------------------|----------|
| Tape | Bi-Laminate (Alum+Poly) | 100% |
| Braid | Tinned Copper (TC) | 65% |

Outer Jacket

| Material | Nom. Thickness | Nom. Diameter |
|--------------------------|--------------------|--------------------|
| PVC - Polyvinyl Chloride | 0.035 in (0.89 mm) | 0.271 in (6.88 mm) |

Overall Cable Diameter (Nominal): 0.271 in (6.88 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 (82 Ohm/km) | 30 pF/ft (98 pF/m) | 55 pF/ft (180 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 |
|--------------------|----------------|
| 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: | 80 lbs (36 kg) |
|--------------------|----------------|

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|--------------------|--------------------------|
| Bulk Cable Weight: | 44 lbs/1000ft (65 kg/km) |
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Standards and Compliance

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|----------------------------|--------|
| Environmental Suitability: | Indoor |
|----------------------------|--------|

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|----------------------------------|-------------------------|
| Flammability / Reaction to Fire: | UL1685 FT4 Loading, FT4 |
|----------------------------------|-------------------------|

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|----------------------|------------------|
| NEC / UL Compliance: | Article 800, CMG |
|----------------------|------------------|

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|-----------------|----------|
| AWM Compliance: | AWM 2464 |
|-----------------|----------|

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|-------------------------|-----|
| CEC / C(UL) Compliance: | CMG |
|-------------------------|-----|

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|--------------------------------|--|
| European Directive Compliance: | EU CE Mark, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE) |
|--------------------------------|--|

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|------------------|---------------------------------|
| APAC Compliance: | China RoHS II (GB/T 26572-2011) |
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History

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| Update and Revision: | Revision Number: 0.350 Revision Date: 05-05-2023 |
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Part Numbers

Variants

| Item # | Color | Putup Type | Length | UPC | Footnote |
|--------------|--------|------------|----------|--------------|----------|
| 9615 060100 | Chrome | Reel | 100 ft | 612825256496 | |
| 9615 060500 | Chrome | Reel | 500 ft | 612825256519 | |
| 9615 0601000 | Chrome | Reel | 1,000 ft | 612825256502 | C |

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