



Product: [9540](#)

RS232, #24-10c, 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 | Number of Element | AWG | Stranding | Material |
|--------------|-------------------|-----|-----------|--------------------|
| Conductor(s) | 10 | 24 | 7x32 | TC - Tinned Copper |

Insulation

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

Outer Shield Material

| Shield Type | Material | Coverage | Drainwire Type |
|-------------|-------------------------|----------|------------------|
| Tape | Bi-Laminate (Alum+Poly) | 100% | 24 AWG (7x32) TC |

Outer Jacket Material

| Material | Thickness | Nom. Diameter |
|--------------------------|-----------|---------------|
| PVC - Polyvinyl Chloride | 0.032 in | 0.244 in |

Cable Diameter (Nominal): 0.244 in

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 | 30 pF/ft | 55 pF/ft | 1.5 Amps per Conductor at 25°C |

Nom Outer Shield DCR: 18 Ohm/1000ft

Voltage

| UL Voltage Rating |
|----------------------------------|
| 300 V (CMG), 300 V (UL AWM 2464) |

Mechanical Characteristics

Temperature

| UL Rating | Operating |
|----------------------------------|----------------|
| 60°C (UL CMG);80°C (UL AWM 2464) | -30°C to +80°C |

Bend Radius

| Stationary Min. | Installation Min. |
|-----------------|-------------------|
| | |

| | |
|--------|--------|
| 2.5 in | 2.9 in |
|--------|--------|

| | |
|--------------------|---------------|
| Max. Pull Tension: | 61 lbs |
| Bulk Cable Weight: | 37 lbs/1000ft |

Standards and Compliance

| | |
|---------------------------------|---|
| Environmental Suitability: | Indoor |
| Sustainability: | CA Prop 65 |
| Flammability / Fire Resistance: | UL1685 FT4 Loading, FT4, IEC 60332-1-2 |
| NEC / UL Compliance: | Article 800, CMG |
| AWM Compliance: | 2464 |
| CEC / C(UL) Compliance: | CMG |
| CPR Euroclass: | Eca |
| European Directive Compliance: | EU CE Mark, EU Directive 2015/863/EU, EU Directive 2011/65/EU (ROHS II), EU Directive 2012/19/EU (WEEE) |
| APAC Compliance: | China RoHS II (GB/T 26572-2011) |

History

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| Update and Revision: | Revision Number: 0.345 Revision Date: 09-30-2020 |
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