



Product: [8306](#)

RS-232, Low Cap, #22-6pr, SR-PVC, O/A Foil+Braid, PVC Jkt, CMG

Product Description

Computer EIA RS-232 Cable, 22 AWG stranded (7x30) tinned copper conductors, semi-rigid PVC insulation, 6 twisted pairs, overall Beldfoil® (100% coverage) + tinned copper braid shield (65% coverage), PVC jacket.

Technical Specifications

Product Overview

| | |
|------------------------|---|
| Suitable Applications: | RS-232 Extended Distance 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 |
|---------|-------------------|-----|-----------|--------------------|
| Pair(s) | 6 | 22 | 7x30 | TC - Tinned Copper |

Insulation

| Element | Material | Thickness | Color Code |
|---------|--|--------------------|--|
| Pair(s) | SR-PVC - Polyvinyl Chloride (Semi-Rigid) | 0.011 in (0.28 mm) | Black & Red, Black & White, Black & Green, Black & Blue, Black & Yellow, Black & Brown |

Outer Shield Material

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

Outer Jacket Material

| Material | Thickness | Nom. Diameter |
|--------------------------|--------------------|---------------|
| PVC - Polyvinyl Chloride | 0.035 in (0.89 mm) | 0.348 in |

Cable Diameter (Nominal): 0.348 in (8.84 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) | 15 Ohm/1000ft (49 Ohm/km) | 35 pF/ft (110 pF/m) | 63 pF/ft (210 pF/m) | 60% | 2.1 Amps per Conductor at 25°C |

Nom. Outer Shield DCR: 5 Ohm/1000ft

Voltage

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

Mechanical Characteristics

Temperature

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

Bend Radius

| Stationary Min. | Installation Min. |
|-----------------|-------------------|
| 3.5 in (89 mm) | 3.5 in (89 mm) |

| | |
|--------------------|---------------------------|
| Max. Pull Tension: | 139 lbs (63.0 kg) |
| Bulk Cable Weight: | 72 lbs/1000ft (110 kg/km) |

Standards and Compliance

| | |
|---------------------------------|--|
| Environmental Suitability: | Indoor |
| 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 2011/65/EU (RoHS 2), 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: 0.292 Revision Date: 07-02-2021 |
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