



Product: [8307](#)

RS-232, Low Cap, #22-7pr, 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, 7 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) | 7 | 22 | 7x30 | TC - Tinned Copper |

Insulation

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

Outer Shield Material

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

Outer Jacket Material

| Material | Thickness | Nom. Diameter |
|--------------------------|-----------|---------------|
| PVC - Polyvinyl Chloride | 0.035 in | 0.348 in |

Cable Diameter (Nominal): 0.348 in

Electrical Characteristics

Electricals

| Element | Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) | Max. Current |
|---------|--------------------|-------------------------------|---|--------------------------------|
| Pair(s) | 15 Ohm/1000ft | 35 pF/ft | 63 pF/ft | 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 | 3.5 in |

| | |
|--------------------|---------------|
| Max. Pull Tension: | 157 lbs |
| Bulk Cable Weight: | 77 lbs/1000ft |

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 II), EU Directive 2012/19/EU (WEEE) |
| APAC Compliance: | China RoHS II (GB/T 26572-2011) |

History

| | |
|----------------------|--|
| Update and Revision: | Revision Number: 0.335 Revision Date: 08-25-2020 |
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