



Product: [9946](#)

RS-232, #22-10c, 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, 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 | Number of Element | Size | Stranding | Material |
|--------------|-------------------|--------|-----------|--------------------|
| Conductor(s) | 10 | 22 AWG | 7x30 | 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) | 0.300 in (7.62 mm) |

Overall Cable Diameter (Nominal): 0.300 in (7.62 mm)

Electrical Characteristics

Electricals

| Element | Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) | Max. Current |
|--------------|-------------------------------|-------------------------------|---|--------------------------------|
| Conductor(s) | 14.7 Ohm/1000ft (48.2 Ohm/km) | 35 pF/ft (110 pF/m) | 63 pF/ft (210 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 |
|----------------------------------|----------------|
| 60°C (UL CMG);80°C (UL AWM 2464) | -30°C to +80°C |

Bend Radius

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

3.6 in (91 mm) 3.6 in (91 mm)

Bulk Cable Weight: 59 lbs/1000ft (88 kg/km)

Standards and Compliance

Environmental Suitability: Indoor (Not Riser or Plenum), Indoor

Sustainability: CA Prop 65

Flammability / Reaction to Fire: UL1685 FT4 Loading, FT4, IEC 60332-1-2

CPR Compliance: CPR Euroclass: Eca

NEC / UL Compliance: Article 800, CMG

AWM Compliance: 2464

CEC / C(UL) Compliance: CMG

European Directive Compliance: EU CE Mark

History

Update and Revision: Revision Number: 0.344 Revision Date: 12-15-2021

Variants

| Item # | Color | UPC |
|--------------|--------|--------------|
| 9946 060100 | Chrome | 612825264910 |
| 9946 0601000 | Chrome | 612825264927 |
| 9946 060500 | Chrome | 612825264934 |
| 9946 0605000 | Chrome | 612825264941 |

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