



Product: [9939](#)

RS232, #22-3c, 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) | 3 | 22 AWG | 7x30 | TC - Tinned Copper |

Insulation

| Element | Material | Nom. Thickness | Nom. Insulation Diameter | Color Code |
|--------------|--|--------------------|--------------------------|-------------------|
| Conductor(s) | SR-PVC - Polyvinyl Chloride (Semi-Rigid) | 0.011 in (0.28 mm) | 0.050 in (1.3 mm) | Black, White, Red |

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) | 0.202 in (5.13 mm) |

Overall Cable Diameter (Nominal): 0.202 in (5.13 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 | 37 pF/ft (120 pF/m) | 67 pF/ft (220 pF/m) | 2.8 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. |
|-----------------|-------------------|
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| | |
|----------------|----------------|
| 2.4 in (61 mm) | 2.4 in (61 mm) |
|----------------|----------------|

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|--------------------|----------------|
| Max. Pull Tension: | 45 lbs (20 kg) |
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|--------------------|---------------|
| Bulk Cable Weight: | 24 lbs/1000ft |
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Standards and Compliance

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

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|-----------------|------------|
| Sustainability: | CA Prop 65 |
|-----------------|------------|

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|----------------------------------|---|
| Flammability / Reaction to Fire: | UL 1685 FT4 Loading, FT4, IEC 60332-1-2 |
|----------------------------------|---|

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|-----------------|--------------------|
| CPR Compliance: | CPR Euroclass: Eca |
|-----------------|--------------------|

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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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|---------------------------|-----------|
| UK Regulation Compliance: | UKCA Mark |
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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: 0.497 Revision Date: 01-20-2023 |
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Part Numbers

Variants

| Item # | Color | UPC |
|--------------|--------|--------------|
| 9939 060100 | Chrome | 612825264637 |
| 9939 0601000 | Chrome | 612825264644 |
| 9939 060500 | Chrome | 612825264651 |
| 9939 0605000 | Chrome | 612825264668 |

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