



**Part Number: 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

### Physical Characteristics (Overall)

#### Conductor

| AWG | Stranding | Material           | No. of Conductors |
|-----|-----------|--------------------|-------------------|
| 22  | 7x30      | TC - Tinned Copper | 3                 |

|                  |        |
|------------------|--------|
| Conductor Count: | 3      |
| Conductor Size:  | 22 AWG |

#### Insulation

| Material                                | Nominal Wall Thickness |
|---|------------------------|
| S-R PVC - Semi-Rigid Polyvinyl Chloride | 0.011 in               |

#### Color Chart

| Number | Color |
|--------|-------|
| 1      | Black |
| 2      | White |
| 3      | Red   |

#### Outer Shield Material

| Type  | Layer | Material           | Material Trade Name | Coverage [%] |
|-------|-------|--------------------|---------------------|--------------|
| Tape  | 1     | Aluminum/Polyester | Beldfoil®           | 100 %        |
| Braid | 2     | TC - Tinned Copper |                     | 65 %         |

#### Outer Jacket Material

| Material                 | Nominal Diameter | Nominal Wall Thickness |
|--------------------------|------------------|------------------------|
| PVC - Polyvinyl Chloride | 0.202 in         | 0.035 in               |

### Electrical Characteristics

#### Conductor DCR

| Nominal Conductor DCR | Nominal Outer Shield DCR |
|-----------------------|--------------------------|
| 14.7 Ohm/1000ft       | 6.2 Ohm/1000ft           |

#### Capacitance

| Nom. Capacitance Conductor to Conductor | Nom. Capacitance Conductor to Other Conductor to Shield |
|---|---|
| 37 pF/ft                                | 67 pF/ft  |

#### Current

| Max. Recommended Current [A]  |
|-------------------------------|
| 3 Amps per conductor @ 25°C A |

## Voltage

|                          |
|--------------------------|
| <b>UL Voltage Rating</b> |
| 300 V RMS                |

## Temperature Range

|                       |                          |
|-----------------------|--------------------------|
| UL Temp Rating:       | 80°C (UL AWM Style 2464) |
| Operating Temp Range: | -30°C To +80°C           |

## Mechanical Characteristics

|                             |               |
|-----------------------------|---------------|
| Bulk Cable Weight:          | 25 lbs/1000ft |
| Min Bend Radius/Minor Axis: | 2.25 in       |

## Standards

|                          |                   |
|--------------------------|-------------------|
| NEC/(UL) Specification:  | CMG               |
| CEC/C(UL) Specification: | CMG               |
| UL AWM Style:            | 2464 (300 V 80°C) |
| CPR Euroclass:           | Eca               |

## Applicable Environmental and Other Programs

|                                       |                               |
|---------------------------------------|-------------------------------|
| EU Directive 2000/53/EC (ELV):        | Yes                           |
| EU Directive 2003/96/EC (BFR):        | Yes                           |
| EU Directive 2011/65/EU (ROHS II):    | Yes                           |
| EU Directive 2012/19/EU (WEEE):       | Yes                           |
| EU Directive Compliance:              | EU Directive 2003/11/EC (BFR) |
| EU CE Mark:                           | Yes                           |
| EU RoHS Compliance Date (yyyy-mm-dd): | 2005-10-01                    |
| CA Prop 65 (CJ for Wire & Cable):     | Yes                           |
| MII Order #39 (China RoHS):           | Yes                           |

## Flammability, LSOH, Toxicity Testing

|                    |                    |
|--------------------|--------------------|
| UL Flammability:   | UL1685 FT4 Loading |
| CSA Flammability:  | FT4                |
| UL voltage rating: | 300 V RMS          |

## Plenum/Non-Plenum

|               |    |
|---------------|----|
| Plenum (Y/N): | No |
|---------------|----|

## Part Number

### Variants

| Item #       | Color  |
|--------------|--------|
| 9939 060100  | Chrome |
| 9939 0601000 | Chrome |
| 9939 060500  | Chrome |
| 9939 0605000 | Chrome |

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