



**Part Number: 9943**

**RS-232, #22-7c, 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 | 7                 |

|                  |   |
|------------------|---|
| Conductor Count: | 7 |
|------------------|---|

#### 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    |
| 4      | Green  |
| 5      | Brown  |
| 6      | Blue   |
| 7      | Orange |

#### Outer Shield Material

| Type  | Layer | Material                     | Material Trade Name | Coverage [%] |
|-------|-------|------------------------------|---------------------|--------------|
| Tape  | 1     | Aluminum Foil-Polyester Tape | Beldfoil®           | 100 %        |
| Braid | 2     | TC - Tinned Copper           |                     | 70 %         |

#### Outer Jacket Material

| Material                 | Nominal Diameter | Nominal Wall Thickness |
|--------------------------|------------------|------------------------|
| PVC - Polyvinyl Chloride | 0.245 in         | 0.035 in               |

### Electrical Characteristics

#### Conductor DCR

| Nominal Conductor DCR | Nominal Outer Shield DCR |
|-----------------------|--------------------------|
| 14.7 Ohm/1000ft       | 7 Ohm/1000ft             |

#### Capacitance

| Nom. Capacitance Conductor to Conductor | Nom. Capacitance Conductor to Other Conductor to Shield | Nom. Capacitance Conductor to Shield |
|-----------------------------------------|---------------------------------------------------------|--------------------------------------|
| 35 pF/ft                                | 63 pF/ft                                                | 20.5 pF/m                            |

High Freq

| Max. Insertion Loss (Attenuation) | Min. ACR [dB] | Min. ACRF (ELFEXT) [dB] | Min. RL (Return Loss) [dB] | Min. PSAACRF |
|-----------------------------------|---------------|-------------------------|----------------------------|--------------|
|                                   | 20.5 dB       |                         |                            |              |
| 20.5 dB/100m                      |               |                         |                            |              |
|                                   |               |                         | 20.5 dB                    |              |
|                                   |               |                         | 20.5 dB                    |              |
|                                   |               | 20.5 dB                 | 20.5 dB                    |              |
|                                   |               | 20.5 dB                 |                            |              |
|                                   |               |                         |                            | 20.5 dB      |

Current

| Max. Recommended Current [A]    |
|---------------------------------|
| 2.1 Amps per conductor @ 25°C A |

Voltage

| UL Voltage Rating |
|-------------------|
| 300V 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:          | 43 lbs/1000ft |
| Min Bend Radius/Minor Axis: | 2.5 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 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, LS0H, Toxicity Testing

|                   |                    |
|-------------------|--------------------|
| UL Flammability:  | UL1685 FT4 Loading |
| CSA Flammability: | FT4                |

Part Number

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

Variants

| Item #       | Color  |
|--------------|--------|
| 9943 060100  | CHROME |
| 9943 0601000 | Chrome |
| 9943 060500  | Chrome |
| 9943 0605000 | Chrome |

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