

## 9943 Multi-Conductor - Computer Cable for EIA RS-232 Applications



For more Information  
please call

1-800-Belden1



### General Description:

22 AWG stranded (7x30) TC conductors, S-R PVC insulation, overall Beldfoil® (100% coverage) + TC braid shield (65% coverage), PVC jacket.

### Physical Characteristics (Overall)

#### Conductor

AWG:

| # Conductors | AWG | Stranding | Conductor Material |
|--------------|-----|-----------|--------------------|
| 7            | 22  | 7x30      | TC - Tinned Copper |

Total Number of Conductors: 7

#### Insulation

Insulation Material:

| Insulation Material                     | Wall Thickness (mm) |
|---|---------------------|
| S-R PVC - Semi-Rigid Polyvinyl Chloride | 0.279               |

#### Outer Shield

Outer Shield Material:

| Layer # | Outer Shield Trade Name | Type  | Outer Shield Material        | Coverage (%) |
|---------|-------------------------|-------|------------------------------|--------------|
| 1       | Beldfoil®               | Tape  | Aluminum Foil-Polyester Tape | 100.000      |
| 2       |                         | Braid | TC - Tinned Copper           | 70.000       |

#### Outer Jacket

Outer Jacket Material:

| Outer Jacket Material    | Nom. Wall Thickness (mm) |
|--------------------------|--------------------------|
| PVC - Polyvinyl Chloride | 0.889                    |

#### Overall Cable

Overall Cabling Color Code Chart:

| Number | Color  |
|--------|--------|
| 1      | Black  |
| 2      | White  |
| 3      | Red    |
| 4      | Green  |
| 5      | Brown  |
| 6      | Blue   |
| 7      | Orange |

Overall Nominal Diameter: 6.223 mm

### Mechanical Characteristics (Overall)

Operating Temperature Range: -30°C To +80°C

UL Temperature Rating: 80°C (UL AWM Style 2464)

Bulk Cable Weight: 63.993 Kg/Km

Min. Bend Radius/Minor Axis: 63.500 mm

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification: CMG

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|  |                            |
|--|----------------------------|
| <b>CEC/C(UL) Specification:</b>              | CMG                        |
| <b>AWM Specification:</b>                    | UL Style 2464 (300 V 80°C) |
| <b>EU Directive 2011/65/EU (ROHS II):</b>    | Yes                        |
| <b>EU CE Mark:</b>                           | Yes                        |
| <b>EU Directive 2000/53/EC (ELV):</b>        | Yes                        |
| <b>EU Directive 2002/95/EC (RoHS):</b>       | Yes                        |
| <b>EU RoHS Compliance Date (mm/dd/yyyy):</b> | 10/01/2005                 |
| <b>EU Directive 2002/96/EC (WEEE):</b>       | Yes                        |
| <b>EU Directive 2003/11/EC (BFR):</b>        | Yes                        |
| <b>CA Prop 65 (CJ for Wire &amp; Cable):</b> | Yes                        |
| <b>MII Order #39 (China RoHS):</b>           | Yes                        |

### Flame Test

|                        |                    |
|------------------------|--------------------|
| <b>UL Flame Test:</b>  | UL1685 FT4 Loading |
| <b>CSA Flame Test:</b> | FT4                |

### Plenum/Non-Plenum

|                      |    |
|----------------------|----|
| <b>Plenum (Y/N):</b> | No |
|----------------------|----|

## Electrical Characteristics (Overall)

### Nom. Capacitance Conductor to Conductor:

|                           |
|---------------------------|
| <b>Capacitance (pF/m)</b> |
| 114.835                   |

### Nom. Capacitance Cond. to Other Conductor & Shield:

|                           |
|---------------------------|
| <b>Capacitance (pF/m)</b> |
| 206.703                   |

### Nom. Conductor DC Resistance:

|                            |
|----------------------------|
| <b>DCR @ 20°C (Ohm/km)</b> |
| 48.2307                    |

### Nominal Outer Shield DC Resistance:

|                            |
|----------------------------|
| <b>DCR @ 20°C (Ohm/km)</b> |
| 22.967                     |

### Max. Operating Voltage - UL:

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

### Max. Recommended Current:

|                               |
|-------------------------------|
| <b>Current</b>                |
| 2.1 Amps per conductor @ 25°C |

## Put Ups and Colors:

| Item #       | Putup    | Ship Weight | Color  | Notes | Item Desc              |
|--------------|----------|-------------|--------|-------|------------------------|
| 9943 0605000 | 5,000 FT | 225.000 LB  | CHROME |       | BRAID 7 #22 PVC SH PVC |

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