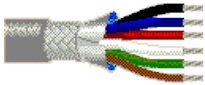


## 9944 Multi-Conductor - Computer Cable for EIA RS-232 Applications



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 |
|--------------|-----|-----------|--------------------|
| 8            | 22  | 7x30      | TC - Tinned Copper |

Total Number of Conductors: 8

#### 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          |
| 2       |                         | Braid | TC - Tinned Copper           | 65           |

#### 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 |
| 8      | Yellow |

Overall Nominal Diameter: 6.706 mm

### Mechanical Characteristics (Overall)

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

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

Bulk Cable Weight: 71.434 Kg/Km

Min. Bend Radius/Minor Axis: 69.850 mm

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

|                                    |                            |
|------------------------------------|----------------------------|
| NEC/(UL) Specification:            | CMG                        |
| CEC/(UL) Specification:            | CMG                        |
| AWM Specification:                 | UL Style 2464 (300 V 80°C) |
| EU Directive 2011/65/EU (ROHS II): | Yes                        |
| EU CE Mark:                        | Yes                        |
| EU Directive 2000/53/EC (ELV):     | Yes                        |

## METRIC MEASUREMENT VERSION

### 9944 Multi-Conductor - Computer Cable for EIA RS-232 Applications

|                                       |            |
|---------------------------------------|------------|
| EU Directive 2002/95/EC (RoHS):       | Yes        |
| EU RoHS Compliance Date (mm/dd/yyyy): | 10/01/2005 |
| EU Directive 2002/96/EC (WEEE):       | Yes        |
| EU Directive 2003/11/EC (BFR):        | Yes        |
| CA Prop 65 (CJ for Wire & Cable):     | Yes        |
| MIL Order #39 (China RoHS):           | Yes        |

#### Flame Test

|                 |                    |
|-----------------|--------------------|
| UL Flame Test:  | UL1685 FT4 Loading |
| CSA Flame Test: | FT4                |

#### Plenum/Non-Plenum

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

#### Electrical Characteristics (Overall)

##### Nom. Capacitance Conductor to Conductor:

|                    |
|--------------------|
| Capacitance (pF/m) |
| 114.835            |

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

|                    |
|--------------------|
| Capacitance (pF/m) |
| 206.703            |

##### Nom. Conductor DC Resistance:

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

##### Nominal Outer Shield DC Resistance:

|                     |
|---------------------|
| DCR @ 20°C (Ohm/km) |
| 19.686              |

##### Max. Operating Voltage - UL:

|           |
|-----------|
| Voltage   |
| 300 V RMS |

##### Max. Recommended Current:

|                               |
|-------------------------------|
| Current                       |
| 2.1 Amps per conductor @ 25°C |

#### Put Ups and Colors:

| Item #       | Putup    | Ship Weight | Color  | Notes | Item Desc        |
|--------------|----------|-------------|--------|-------|------------------|
| 9944 060100  | 100 FT   | 5.500 LB    | CHROME |       | 8 #22 PVC SH PVC |
| 9944 0601000 | 1,000 FT | 52.000 LB   | CHROME | C     | 8 #22 PVC SH PVC |
| 9944 060500  | 500 FT   | 26.000 LB   | CHROME | C     | 8 #22 PVC SH PVC |
| 9944 0605000 | 5,000 FT | 250.000 LB  | CHROME | C     | 8 #22 PVC SH PVC |

#### Notes:

C = CRATE REEL PUT-UP.

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