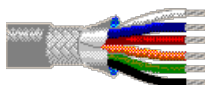


## 9948 Multi-Conductor - Computer Cable for EIA RS-232 Applications



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 |
|--------------|-----|-----------|--------------------|
| 25           | 22  | 7x30      | TC - Tinned Copper |

Total Number of Conductors: 25

#### Insulation

Insulation Material:

| Insulation Material                     | Wall Thickness (in.) |
|-----------------------------------------|----------------------|
| S-R PVC - Semi-Rigid Polyvinyl Chloride | 0.011                |

#### 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 (in.) |
|--------------------------|---------------------------|
| PVC - Polyvinyl Chloride | 0.035                     |

#### Overall Cable

Overall Cabling Color Code Chart:

| Number | Color             |
|--------|-------------------|
| 1      | Black             |
| 2      | White             |
| 3      | Red               |
| 4      | Green             |
| 5      | Orange            |
| 6      | Blue              |
| 7      | White/Black       |
| 8      | Red/Black         |
| 9      | Green/Black       |
| 10     | Orange/Black      |
| 11     | Blue/Black        |
| 12     | Black/White       |
| 13     | Red/White         |
| 14     | Green/White       |
| 15     | Blue/White        |
| 16     | Black/Red         |
| 17     | White/Red         |
| 18     | Orange/Red        |
| 19     | Blue/Red          |
| 20     | Red/Green         |
| 21     | Orange/Green      |
| 22     | Black/White/Red   |
| 23     | White/Black/Red   |
| 24     | Red/Black/White   |
| 25     | Green/Black/White |

Overall Nominal Diameter: 0.410 in.

### Mechanical Characteristics (Overall)

## 9948 Multi-Conductor - Computer Cable for EIA RS-232 Applications

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

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

Bulk Cable Weight: 123 lbs/1000 ft.

Min. Bend Radius/Minor Axis: 4.250 in.

### 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

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/ft)

35

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

Capacitance (pF/ft)

63

#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

14.7

#### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

3.1

#### Max. Operating Voltage - UL:

Voltage

300 V RMS

#### Max. Recommended Current:

Current

1.5 Amps per conductor @ 25°C

### Put Ups and Colors:

| Item #       | Putup    | Ship Weight | Color  | Notes | Item Desc           |
|--------------|----------|-------------|--------|-------|---------------------|
| 9948 060100  | 100 FT   | 13.300 LB   | CHROME |       | 25 #22 PVC SHLD PVC |
| 9948 0601000 | 1,000 FT | 132.000 LB  | CHROME | C     | 25 #22 PVC SHLD PVC |
| 9948 0604000 | 4,000 FT | 556.000 LB  | CHROME |       | 25 #22 PVC SH PVC   |
| 9948 060500  | 500 FT   | 66.500 LB   | CHROME | C     | 25 #22 PVC SHLD PVC |

#### Notes:

C = CRATE REEL PUT-UP.

## 9948 Multi-Conductor - Computer Cable for EIA RS-232 Applications

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### Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: [info@moschip.ru](mailto:info@moschip.ru)

Skype отдела продаж:

moschip.ru

moschip.ru\_4

moschip.ru\_6

moschip.ru\_9