

## 9542 Multi-Conductor - Computer Cable for EIA RS-232 Applications



For more Information  
please call

1-800-Belden1



### Description:

24 AWG stranded (7x32) tinned copper conductors, conductors cabled, semi-rigid PVC insulation, overall Beldfoil® shield (100% coverage), 24 AWG stranded tinned copper drain wire, PVC jacket.

### Physical Characteristics (Overall)

#### Conductor

##### AWG:

| # Conductors | AWG | Stranding | Conductor Material |
|--------------|-----|-----------|--------------------|
| 20           | 24  | 7x32      | TC - Tinned Copper |

#### Insulation

##### Insulation Material:

| Insulation Material      | Wall Thickness (in.) |
|--------------------------|----------------------|
| PVC - Polyvinyl Chloride | .010                 |

#### Outer Shield

##### Outer Shield Material:

| Outer Shield Trade Name | Type | Outer Shield Material        | Coverage (%) |
|-------------------------|------|------------------------------|--------------|
| Beldfoil®               | Tape | Aluminum Foil-Polyester Tape | 100          |

##### Outer Shield Drain Wire AWG:

| AWG | Stranding | Drain Wire | Conductor Material |
|-----|-----------|------------|--------------------|
| 24  | 7x32      |            | TC - Tinned Copper |

#### Outer Jacket

##### Outer Jacket Material:

| Outer Jacket Material    | Nom. Wall Thickness (in.) |
|--------------------------|---------------------------|
| PVC - Polyvinyl Chloride | .032                      |

#### Overall Cable

##### Overall Cabling Lay Length & Direction:

| Length (in.) |
|--------------|
| 2.75         |

##### 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    |

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|    |            |
|----|------------|
| 17 | White/Red  |
| 18 | Orange/Red |
| 19 | Blue/Red   |
| 20 | Red/Green  |

Overall Nominal Diameter: 0.314 in.

### Mechanical Characteristics (Overall)

|  |                          |
|--|--------------------------|
| Operating Temperature Range:           | -30°C To +80°C           |
| UL Temperature Rating:                 | 80°C (UL AWM Style 2464) |
| Bulk Cable Weight:                     | 64 lbs/1000 ft.          |
| Max. Recommended Pulling Tension:      | 110 lbs.                 |
| Min. Bend Radius (Install)/Minor Axis: | 3.250 in.                |

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

|                                       |                            |
|---------------------------------------|----------------------------|
| NEC/(UL) Specification:               | CMG                        |
| CEC/C(UL) Specification:              | CMG                        |
| AWM Specification:                    | UL Style 2464 (300 V 80°C) |
| 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): | 04/01/2005                 |
| EU Directive 2002/96/EC (WEEE):       | Yes                        |
| EU Directive 2003/11/EC (BFR):        | Yes                        |
| CA Prop 65 (CJ for Wire & Cable):     | Yes                        |
| MII Order #39 (China RoHS):           | Yes                        |

#### Flame Test

C(UL) Flame Test: FT4

#### Plenum/Non-Plenum

Plenum (Y/N): No

### Electrical Characteristics (Overall)

#### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)  
30

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

Capacitance (pF/ft)  
55

#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)  
25

#### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)  
18

#### Max. Operating Voltage - UL:

Voltage  
300 V RMS (UL AWM Style 2464)

#### Max. Recommended Current:

Current

## 9542 Multi-Conductor - Computer Cable for EIA RS-232 Applications

1.75 Amps per conductor @ 25°C

### Related Documents:

No related documents are available for this product

### Put Ups and Colors:

| Item #       | Putup    | Ship Weight | Color  | Notes | Item Desc         |
|--------------|----------|-------------|--------|-------|-------------------|
| 9542 060U500 | 500 FT   | 34.000 LB   | CHROME |       | 20 #24 PVC FS PVC |
| 9542 060100  | 100 FT   | 7.300 LB    | CHROME |       | 20 #24 PVC FS PVC |
| 9542 0601000 | 1,000 FT | 69.000 LB   | CHROME | C     | 20 #24 PVC FS PVC |
| 9542 060500  | 500 FT   | 35.500 LB   | CHROME | C     | 20 #24 PVC FS PVC |

**Notes:**

C = CRATE REEL PUT-UP.

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