

## 9543 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 |
|--------------|-----|-----------|--------------------|
| 25           | 24  | 7x32      | TC - Tinned Copper |

**Insulation****Insulation Material:**

| Insulation Material      | Wall Thickness (mm) |
|--------------------------|---------------------|
| PVC - Polyvinyl Chloride | 0.254               |

**Outer Shield****Outer Shield Material:**

| Outer Shield Trade Name | Outer Shield Material        | Coverage (%) |
|-------------------------|------------------------------|--------------|
| Beldfoil®               | 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 (mm) |
|--------------------------|--------------------------|
| PVC - Polyvinyl Chloride | 0.8128                   |

**Overall Cabling****Overall Cabling Lay Length & Direction:**

| Length (mm) |
|-------------|
| 95.249625   |

**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         |
| 21 | Orange/Green      |
| 22 | Black/White/Red   |
| 23 | White/Black/Red   |
| 24 | Red/Black/White   |
| 25 | Green/Black/White |

Overall Nominal Diameter: 8.611 mm

### Mechanical Characteristics (Overall)

|                                        |                          |
|----------------------------------------|--------------------------|
| Operating Temperature Range:           | -30°C To +80°C           |
| UL Temperature Rating:                 | 80°C (UL AWM Style 2464) |
| Bulk Cable Weight:                     | 116.824 Kg/Km            |
| Max. Recommended Pulling Tension:      | 611.627 N                |
| Min. Bend Radius (Install)/Minor Axis: | 95.250 mm                |

### 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/m) |
| 98.43              |

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

|                    |
|--------------------|
| Capacitance (pF/m) |
| 180.455            |

#### Nom. Conductor DC Resistance:

|                     |
|---------------------|
| DCR @ 20°C (Ohm/km) |
| 82.025              |

#### Nominal Outer Shield DC Resistance:

|                     |
|---------------------|
| DCR @ 20°C (Ohm/km) |
| 59.058              |

## METRIC MEASUREMENT VERSION

## 9543 Multi-Conductor - Computer Cable for EIA RS-232 Applications

## Max. Operating Voltage - UL:

## Voltage

300 V RMS (UL AWM Style 2464)

## Max. Recommended Current:

## Current

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           |
|--------------|--------|-------------|--------|-------|---------------------|
| 9543 060100  | 30 MT  | 3.946 KG    | CHROME |       | 25 #24 PVC SHLD PVC |
| 9543 0601000 | 305 MT | 39.009 KG   | CHROME | C     | 25 #24 PVC SHLD PVC |
| 9543 060500  | 152 MT | 19.958 KG   | CHROME | C     | 25 #24 PVC SHLD PVC |

## Notes:

C = CRATE REEL PUT-UP.

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