

## 9540 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 |
|--------------|-----|-----------|--------------------|
| 10           | 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) |
|-------------|
| 53.97478750 |

**Overall Cabling Color Code Chart:**

| Number | Color  |
|--------|--------|
| 1      | Black  |
| 2      | White  |
| 3      | Red    |
| 4      | Green  |
| 5      | Brown  |
| 6      | Blue   |
| 7      | Orange |
| 8      | Yellow |
| 9      | Purple |
| 10     | Gray   |

**Overall Nominal Diameter:**

6.198 mm

**Mechanical Characteristics (Overall)**

**Operating Temperature Range:**

-30°C To +80°C

## 9540 Multi-Conductor - Computer Cable for EIA RS-232 Applications

|                                        |                          |
|----------------------------------------|--------------------------|
| UL Temperature Rating:                 | 80°C (UL AWM Style 2464) |
| Bulk Cable Weight:                     | 54.319 Kg/Km             |
| Max. Recommended Pulling Tension:      | 244.651 N                |
| Min. Bend Radius (Install)/Minor Axis: | 63.500 mm                |

## Applicable Specifications and Agency Compliance (Overall)

## Applicable Standards &amp; 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 &amp; 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              |

## 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         |
|---------------|--------|-------------|--------|-------|-------------------|
| 9540 060U1000 | 305 MT | 17.237 KG   | CHROME |       | 10 #24 PVC FS PVC |

## METRIC MEASUREMENT VERSION

## 9540 Multi-Conductor - Computer Cable for EIA RS-232 Applications

|              |          |           |        |   |                   |
|--------------|----------|-----------|--------|---|-------------------|
| 9540 060U500 | 152 MT   | 8.845 KG  | CHROME |   | 10 #24 PVC FS PVC |
| 9540 060100  | 30 MT    | 1.996 KG  | CHROME |   | 10 #24 PVC FS PVC |
| 9540 0601000 | 305 MT   | 17.690 KG | CHROME | C | 10 #24 PVC FS PVC |
| 9540 060500  | 152 MT   | 9.299 KG  | CHROME | C | 10 #24 PVC FS PVC |
| 9540 0605000 | 1,524 MT | 88.451 KG | CHROME |   | 10 #24 PVC FS PVC |

**Notes:**

C = CRATE REEL PUT-UP.

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