

## 9538 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 |
|--------------|-----|-----------|--------------------|
| 8            | 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 | 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 (mm) |
|--------------------------|--------------------------|
| PVC - Polyvinyl Chloride | 0.8128                   |

#### Overall Cabling

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

| Length (mm) |
|-------------|
| 44.449825   |

##### 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: 5.690 mm

### Mechanical Characteristics (Overall)

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

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

Bulk Cable Weight: 45.539 Kg/Km

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|  |           |
|--|-----------|
| Max. Recommended Pulling Tension:      | 195.721 N |
| Min. Bend Radius (Install)/Minor Axis: | 57.150 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) |
| 108.273            |

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

|                    |
|--------------------|
| Capacitance (pF/m) |
| 213.265            |

#### 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        |
|---------------|--------|-------------|--------|-------|------------------|
| 9538 060U1000 | 305 MT | 14.969 KG   | CHROME |       | 8 #24 PVC FS PVC |
| 9538 060U500  | 152 MT | 7.711 KG    | CHROME |       | 8 #24 PVC FS PVC |
| 9538 060100   | 30 MT  | 1.769 KG    | CHROME |       | 8 #24 PVC FS PVC |

## METRIC MEASUREMENT VERSION

### 9538 Multi-Conductor - Computer Cable for EIA RS-232 Applications

|              |        |           |        |   |                  |
|--------------|--------|-----------|--------|---|------------------|
| 9538 0601000 | 305 MT | 15.422 KG | CHROME | C | 8 #24 PVC FS PVC |
| 9538 060500  | 152 MT | 7.711 KG  | CHROME | C | 8 #24 PVC FS PVC |

**Notes:**

C = CRATE REEL PUT-UP.

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