

## 9536 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 |
|--------------|-----|-----------|--------------------|
| 6            | 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 Fillers:** Cotton filler in center

**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  |

**Overall Nominal Diameter:** 5.309 mm

**Mechanical Characteristics (Overall)**

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

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

**Bulk Cable Weight:** 43.009 Kg/Km

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|                                   |           |
|-----------------------------------|-----------|
| Max. Recommended Pulling Tension: | 146.791 N |
|-----------------------------------|-----------|

|                                        |           |
|----------------------------------------|-----------|
| Min. Bend Radius (Install)/Minor Axis: | 53.848 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) |
|--------------------|

|         |
|---------|
| 108.273 |
|---------|

## Nom. Capacitance Cond. to Other Conductor &amp; 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        |
|---------------|--------|-------------|--------|-------|------------------|
| 9536 060U1000 | 305 MT | 11.793 KG   | CHROME |       | 6 #24 PVC FS PVC |
| 9536 060U500  | 152 MT | 6.350 KG    | CHROME |       | 6 #24 PVC FS PVC |
| 9536 060100   | 30 MT  | 1.452 KG    | CHROME |       | 6 #24 PVC FS PVC |
| 9536 0601000  | 305 MT | 12.247 KG   | CHROME | C     | 6 #24 PVC FS PVC |

## METRIC MEASUREMENT VERSION

## 9536 Multi-Conductor - Computer Cable for EIA RS-232 Applications

|              |          |           |        |   |                  |
|--------------|----------|-----------|--------|---|------------------|
| 9536 060500  | 152 MT   | 6.124 KG  | CHROME | C | 6 #24 PVC FS PVC |
| 9536 0605000 | 1,524 MT | 58.967 KG | CHROME |   | 6 #24 PVC FS PVC |

**Notes:**

C = CRATE REEL PUT-UP.

Revision Number: 1    Revision Date: 02-16-2011

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