

9541 Multi-Conductor - Computer Cable for EIA RS-232 Applications



For more Information
please call

1-800-Belden1



General 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 |
|--------------|-----|-----------|--------------------|
| 15 | 24 | 7x32 | TC - Tinned Copper |

Total Number of Conductors: 15

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 Cable

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 |

Overall Nominal Diameter: 7.214 mm

Mechanical Characteristics (Overall)

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

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

Bulk Cable Weight: 77.386 Kg/Km

Max. Recommended Pulling Tension: 366.977 N

Min. Bend Radius/Minor Axis: 76.200 mm

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Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

| | |
|---------------------------------------|----------------------------|
| NEC/(UL) Specification: | CMG |
| NEC Articles: | 800 |
| CEC/C(UL) Specification: | CMG |
| AWM Specification: | UL Style 2464 (300 V 80°C) |
| EU Directive 2011/65/EU (ROHS II): | Yes |
| 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

| | |
|-----------------|--------------------|
| UL Flame Test: | UL1685 FT4 Loading |
| CSA Flame Test: | FT4 |

Suitability

| | |
|-----------------------|-----|
| Suitability - Indoor: | Yes |
|-----------------------|-----|

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

Max. Operating Voltage - UL:

Voltage

300 V RMS

Max. Recommended Current:

| Description | Current |
|----------------------|--|
| 10C Temperature Rise | 1.75 Amps per conductor @ 25°C ambient |

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|---------------|----------|-------------|--------|-------|-------------------|
| 9541 060U1000 | 1,000 FT | 54.000 LB | CHROME | | 15 #24 PVC FS PVC |
| 9541 060U500 | 500 FT | 27.500 LB | CHROME | | 15 #24 PVC FS PVC |
| 9541 060100 | 100 FT | 5.900 LB | CHROME | | 15 #24 PVC FS PVC |
| 9541 0601000 | 1,000 FT | 56.000 LB | CHROME | C | 15 #24 PVC FS PVC |
| 9541 060500 | 500 FT | 28.000 LB | CHROME | C | 15 #24 PVC FS PVC |
| 9541 0605000 | 5,000 FT | 285.000 LB | CHROME | | 15 #24 PVC FS PVC |

Notes:

C = CRATE REEL PUT-UP.

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