

## 9501 Multi-Conductor - Computer Cable for EIA RS-232 Applications

For more Information  
please call

1-800-Belden1



### General Description:

24 AWG stranded (7x32) TC conductors, semi-rigid PVC insulation, twisted pairs, overall Beldfoil shield (100% coverage), 24 AWG stranded TC drain Wire, PVC jacket.

### Physical Characteristics (Overall)

#### Conductor

AWG:

| # Pairs | AWG | Stranding | Conductor Material |
|---------|-----|-----------|--------------------|
| 1       | 24  | 7x32      | TC - Tinned Copper |

Total Number of Conductors: 2

#### Insulation

Insulation Material:

| Insulation Material                     | Wall Thickness (in.) |
|---|----------------------|
| S-R PVC - Semi-Rigid Polyvinyl Chloride | 0.011                |

#### 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 (in.) |
|--------------------------|---------------------------|
| PVC - Polyvinyl Chloride | 0.032                     |

#### Overall Cable

Overall Nominal Diameter: 0.156 in.

#### Pair

Pair Color Code Chart:

| Number | Color       |
|--------|-------------|
| 1      | Black & Red |

### Mechanical Characteristics (Overall)

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

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

Bulk Cable Weight: 12 lbs/1000 ft.

Max. Recommended Pulling Tension: 11 lbs.

Min. Bend Radius/Minor Axis: 1.750 in.

### 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 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

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|                                   |                |
|-----------------------------------|----------------|
| 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            |
| Other Specification:              | CSA AWM I/II A |

### Flame Test

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

### Plenum/Non-Plenum

|                |              |
|----------------|--------------|
| Plenum (Y/N):  | No           |
| Plenum Number: | 88641, 82641 |

### Electrical Characteristics (Overall)

#### Nom. Inductance:

Inductance (µH/ft)  
0.19

#### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)  
40

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

Capacitance (pF/ft)  
74

#### Nominal Velocity of Propagation:

VP (%)  
60

#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)  
24

#### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)  
18

#### Max. Operating Voltage - UL:

Voltage  
300 V RMS (UL AWM Style 2464)

#### Max. Recommended Current:

Current  
2.2 Amps per conductor @ 25°C

### Put Ups and Colors:

| Item #        | Putup     | Ship Weight | Color  | Notes | Item Desc        |
|---------------|-----------|-------------|--------|-------|------------------|
| 9501 060U1000 | 1,000 FT  | 14,000 LB   | CHROME |       | 2 #24 PVC FS PVC |
| 9501 060U500  | 500 FT    | 7,000 LB    | CHROME |       | 2 #24 PVC FS PVC |
| 9501 060100   | 100 FT    | 2,000 LB    | CHROME |       | 2 #24 PVC FS PVC |
| 9501 0601000  | 1,000 FT  | 14,000 LB   | CHROME | C     | 2 #24 PVC FS PVC |
| 9501 06010000 | 10,000 FT | 130,000 LB  | CHROME | C     | 2 #24 PVC FS PVC |
| 9501 060500   | 500 FT    | 7,000 LB    | CHROME |       | 2 #24 PVC FS PVC |
| 9501 0605000  | 5,000 FT  | 65,000 LB   | CHROME |       | 2 #24 PVC FS PVC |

#### Notes:

C = CRATE REEL PUT-UP.

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product.  
Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 2014/35/EU).

# Mouser Electronics

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