

## 9510 Multi-Conductor - Computer Cable for EIA RS-232 Applications



For more Information  
please call

1-800-Belden1



### Description:

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

### Physical Characteristics (Overall)

#### Conductor

##### AWG:

| # Pairs | AWG | Stranding | Conductor Material |
|---------|-----|-----------|--------------------|
| 10      | 24  | 7x32      | TC - Tinned Copper |

#### Insulation

##### Insulation Material:

| Insulation Material                     |
|---|
| S-R PVC - Semi-Rigid Polyvinyl Chloride |

#### Outer Shield

##### Outer Shield Material:

| Outer Shield Trade Name | Type | Outer Shield Material                        | Coverage (%) |
|-------------------------|------|--|--------------|
| Beldfoil®               | Tape | Aluminum Foil-Polyester Tape w/Shorting Fold | 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    |
|--------------------------|
| PVC - Polyvinyl Chloride |

#### Overall Cabling

Overall Nominal Diameter: 9.347 mm

#### Pair

##### Pair Color Code Chart:

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

### Mechanical Characteristics (Overall)

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

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

Bulk Cable Weight: 102.686 Kg/Km

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|  |           |
|--|-----------|
| Max. Recommended Pulling Tension:      | 489.302 N |
| Min. Bend Radius (Install)/Minor Axis: | 95.250 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) |
| CSA Specification:                    | AWM I A                    |
| 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 |
| C(UL) Flame Test: | FT4                |

#### Plenum/Non-Plenum

|               |    |
|---------------|----|
| Plenum (Y/N): | No |
|---------------|----|

### Electrical Characteristics (Overall)

#### Nom. Characteristic Impedance:

Impedance (Ohm)

75

#### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)

98.43

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

Capacitance (pF/m)

164.05

#### Nominal Velocity of Propagation:

VP (%)

60

#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

78.744

#### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)

54.1365

#### Max. Operating Voltage - UL:

Voltage

300 V RMS (UL AWM Style 2464)

#### Max. Recommended Current:

Current

1.1 Amps per conductor @ 25°C

## 9510 Multi-Conductor - Computer Cable for EIA RS-232 Applications

### Related Documents:

No related documents are available for this product

### Put Ups and Colors:

| Item #       | Putup  | Ship Weight | Color  | Notes | Item Desc            |
|--------------|--------|-------------|--------|-------|----------------------|
| 9510 060100  | 30 MT  | 3.447 KG    | CHROME |       | 10 PR #24 PVC FS PVC |
| 9510 0601000 | 305 MT | 34.020 KG   | CHROME | C     | 10 PR #24 PVC FS PVC |
| 9510 060500  | 152 MT | 17.690 KG   | CHROME | C     | 10 PR #24 PVC FS PVC |

**Notes:**

C = CRATE REEL PUT-UP.

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