

## 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 |

**Total Number of Conductors:** 20

**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 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    | Nom. Wall Thickness (in.) |
|--------------------------|---------------------------|
| PVC - Polyvinyl Chloride | 0.034                     |

**Overall Cable**

**Overall Nominal Diameter:** 0.368 in.

**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)

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

Bulk Cable Weight: 68 lbs/1000 ft.

Max. Recommended Pulling Tension: 110 lbs.

Min. Bend Radius/Minor Axis: 3.750 in.

## 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)

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 &amp; 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. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

30

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

Capacitance (pF/ft)

50

## 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)

16.5

## Max. Operating Voltage - UL:

Voltage

300 V RMS

## Max. Recommended Current:

Current

1.1 Amps per conductor @ 25°C

## Put Ups and Colors:

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

| Item #       | Putup    | Ship Weight | Color  | Notes | Item Desc            |
|--------------|----------|-------------|--------|-------|----------------------|
| 9510 060100  | 100 FT   | 7.600 LB    | CHROME |       | 10 PR #24 PVC FS PVC |
| 9510 0601000 | 1,000 FT | 75.000 LB   | CHROME | C     | 10 PR #24 PVC FS PVC |
| 9510 060500  | 500 FT   | 39.000 LB   | CHROME | C     | 10 PR #24 PVC FS PVC |

**Notes:**

C = CRATE REEL PUT-UP.

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