

## 9525 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 |
|---------|-----|-----------|--------------------|
| 25      | 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: 12.776 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     |
| 11     | Red & Yellow   |
| 12     | Red & Brown    |
| 13     | Red & Orange   |
| 14     | Green & White  |
| 15     | Green & Blue   |
| 16     | Green & Yellow |
| 17     | Green & Brown  |

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|    |                |
|----|----------------|
| 18 | Green & Orange |
| 19 | White & Blue   |
| 20 | White & Yellow |
| 21 | White & Brown  |
| 22 | White & Orange |
| 23 | Blue & Yellow  |
| 24 | Blue & Brown   |
| 25 | Blue & Orange  |

### Mechanical Characteristics (Overall)

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

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

Bulk Cable Weight: 221.147 Kg/Km

Max. Recommended Pulling Tension: 1223.250 N

Min. Bend Radius (Install)/Minor Axis: 132.080 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

METRIC MEASUREMENT VERSION

## 9525 Multi-Conductor - Computer Cable for EIA RS-232 Applications

### Nom. Conductor DC Resistance:

|                            |
|----------------------------|
| <b>DCR @ 20°C (Ohm/km)</b> |
| 78.744                     |

### Nominal Outer Shield DC Resistance:

|                            |
|----------------------------|
| <b>DCR @ 20°C (Ohm/km)</b> |
| 54.1365                    |

### Max. Operating Voltage - UL:

|                               |
|-------------------------------|
| <b>Voltage</b>                |
| 300 V RMS (UL AWM Style 2464) |

### Max. Recommended Current:

|                               |
|-------------------------------|
| <b>Current</b>                |
| 1.1 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              |
|--------------|--------|-------------|--------|-------|------------------------|
| 9525 060100  | 30 MT  | 7.258 KG    | CHROME | C     | 25 PR #24 PVC SHLD PVC |
| 9525 0601000 | 305 MT | 68.946 KG   | CHROME | C     | 25 PR #24 PVC SHLD PVC |
| 9525 060500  | 152 MT | 36.061 KG   | CHROME | C     | 25 PR #24 PVC SHLD PVC |

#### Notes:

C = CRATE REEL PUT-UP.

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Тел: +7 (812) 336 43 04 (многоканальный)

Email: [org@lifeelectronics.ru](mailto:org@lifeelectronics.ru)