

## 9525 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 (continued), PVC jacket.

### Physical Characteristics (Overall)

#### Conductor

##### AWG:

# Pairs	AWG	Stranding	Conductor Material
25	24	7x32	TC - Tinned Copper

Total Number of Conductors: 50

#### Insulation

##### Insulation Material:

Insulation Material	Wall Thickness (mm)
S-R PVC - Semi-Rigid Polyvinyl Chloride	0.279

#### 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 (mm)
PVC - Polyvinyl Chloride	1.143

#### Overall Cable

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

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16	Green & Yellow
17	Green & Brown
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)

<b>Operating Temperature Range:</b>	-30°C To +80°C
<b>Non-UL Temperature Rating:</b>	80°C (UL AWM Style 2464)
<b>Bulk Cable Weight:</b>	215.789 Kg/Km
<b>Max. Recommended Pulling Tension:</b>	1223.255 N
<b>Min. Bend Radius/Minor Axis:</b>	133.350 mm

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

<b>NEC/UL Specification:</b>	CMG
<b>CEC/C(UL) Specification:</b>	CMG
<b>AWM Specification:</b>	UL Style 2464 (300 V 80°C)
<b>CSA Specification:</b>	AWM I A
<b>EU Directive 2011/65/EU (ROHS II):</b>	Yes
<b>EU CE Mark:</b>	Yes
<b>EU Directive 2000/53/EC (ELV):</b>	Yes
<b>EU Directive 2002/95/EC (RoHS):</b>	Yes
<b>EU RoHS Compliance Date (mm/dd/yyyy):</b>	04/01/2005
<b>EU Directive 2002/96/EC (WEEE):</b>	Yes
<b>EU Directive 2003/11/EC (BFR):</b>	Yes
<b>CA Prop 65 (CJ for Wire &amp; Cable):</b>	Yes
<b>MII Order #39 (China RoHS):</b>	Yes

#### Flame Test

<b>UL Flame Test:</b>	UL1685 FT4 Loading
<b>C(UL) Flame Test:</b>	FT4

#### Plenum/Non-Plenum

<b>Plenum (Y/N):</b>	No
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### Electrical Characteristics (Overall)

#### 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

**Max. Recommended Current:**

<b>Current</b>
1.1 Amps per conductor @ 25°C

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9525 060100	100 FT	16.000 LB	CHROME	C	25 PR #24 PVC SHLD PVC
9525 0601000	1,000 FT	152.000 LB	CHROME	C	25 PR #24 PVC SHLD PVC
9525 060500	500 FT	79.500 LB	CHROME	C	25 PR #24 PVC SHLD PVC

**Notes:**

C = CRATE REEL PUT-UP.

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