

## 9540 Multi-Conductor - Computer Cable for EIA RS-232 Applications



For more Information  
please call

1-800-Belden1



### General Description:

24 AWG stranded (7x32) tinned copper conductors, conductors cabled, semi-rigid PVC insulation, overall Beldfoil® shield (100% coverage), 24 AWG stranded tinned copper drain wire, PVC jacket.

### Physical Characteristics (Overall)

#### Conductor

AWG:

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

Total Number of Conductors: 10

#### Insulation

Insulation Material:

Insulation Material	Wall Thickness (in.)
PVC - Polyvinyl Chloride	.010

#### Outer Shield

Outer Shield Material:

Outer Shield Trade Name	Outer Shield Material	Coverage (%)
Beldfoil®	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	.032

#### Overall Cable

Overall Cabling Color Code Chart:

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

Overall Nominal Diameter: 0.244 in.

### Mechanical Characteristics (Overall)

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

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

Bulk Cable Weight: 37 lbs/1000 ft.

Max. Recommended Pulling Tension: 55 lbs.

Min. Bend Radius/Minor Axis: 2.500 in.

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification: CMG

CEC/C(UL) Specification: CMG

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<b>AWM Specification:</b>	UL Style 2464 (300 V 80°C)
<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>CSA 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/ft)**  
30

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

**Capacitance (pF/ft)**  
55

#### Nom. Conductor DC Resistance:

**DCR @ 20°C (Ohm/1000 ft)**  
25

#### Nominal Outer Shield DC Resistance:

**DCR @ 20°C (Ohm/1000 ft)**  
18

#### Max. Operating Voltage - UL:

**Voltage**  
300 V RMS

#### Max. Recommended Current:

**Current**  
1.75 Amps per conductor @ 25°C

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9540 060U1000	1,000 FT	38.000 LB	CHROME		10 #24 PVC FS PVC
9540 060U500	500 FT	19.500 LB	CHROME		10 #24 PVC FS PVC
9540 060100	100 FT	4.400 LB	CHROME		10 #24 PVC FS PVC
9540 0601000	1,000 FT	39.000 LB	CHROME	C	10 #24 PVC FS PVC
9540 060500	500 FT	20.500 LB	CHROME	C	10 #24 PVC FS PVC
9540 0605000	5,000 FT	200.000 LB	CHROME		10 #24 PVC FS PVC

#### Notes:

C = CRATE REEL PUT-UP.

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