

## 9545 Multi-Conductor - Computer Cable for EIA RS-232 Applications



For more Information  
please call

1-800-Belden1



### 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
40	24	7x32	TC - Tinned Copper

#### Insulation

Insulation Material:

Insulation Material	Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.254

#### 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 (mm)
PVC - Polyvinyl Chloride	1.016

#### Overall Cabling

Overall Cabling Lay Length & Direction:

Length (mm)
147.31942

Overall Cabling Color Code Chart:

Number	Color
1	Black
2	White
3	Red
4	Green
5	Orange
6	Blue
7	White/Black
8	Red/Black
9	Green/Black
10	Orange/Black
11	Blue/Black
12	Black/White
13	Red/White
14	Green/White
15	Blue/White
16	Black/Red

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17	White/Red
18	Orange/Red
19	Blue/Red
20	Red/Green
21	Orange/Green
22	Black/White/Red
23	White/Black/Red
24	Red/Black/White
25	Green/Black/White
26	Orange/Black/White
27	Blue/Black/White
28	Black/Red/Green
29	White/Red/Green
30	Red/Black/Green
31	Green/Black/Orange
32	Orange/Black/Green
33	Blue/White/Orange
34	Black/White/Orange
35	White/Red/Orange
36	Orange/White/Blue
37	White/Red/Blue
38	Black/White/Green
39	White/Black/Green
40	Red/White/Green

**Overall Nominal Diameter:** 10.312 mm

### Mechanical Characteristics (Overall)

<b>Operating Temperature Range:</b>	-30°C To +80°C
<b>UL Temperature Rating:</b>	80°C (UL AWM Style 2464)
<b>Bulk Cable Weight:</b>	179.626 Kg/Km
<b>Max. Recommended Pulling Tension:</b>	978.604 N
<b>Min. Bend Radius (Install)/Minor Axis:</b>	101.600 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>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>C(UL) Flame Test:</b>	FT4
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#### Plenum/Non-Plenum

<b>Plenum (Y/N):</b>	No
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## 9545 Multi-Conductor - Computer Cable for EIA RS-232 Applications

**Electrical Characteristics (Overall)****Nom. Capacitance Conductor to Conductor:**

Capacitance (pF/m)

98.43

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

Capacitance (pF/m)

180.455

**Nom. Conductor DC Resistance:**

DCR @ 20°C (Ohm/km)

82.025

**Nominal Outer Shield DC Resistance:**

DCR @ 20°C (Ohm/km)

59.058

**Max. Operating Voltage - UL:**

Voltage

300 V RMS (UL AWM Style 2464)

**Max. Recommended Current:**

Current

1.75 Amps per conductor @ 25°C

**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9545 060100	30 MT	6.124 KG	CHROME	C	40 #24 PVC FS PVC
9545 0601000	305 MT	58.967 KG	CHROME	C	40 #24 PVC FS PVC
9545 060500	152 MT	29.484 KG	CHROME	C	40 #24 PVC FS PVC

**Notes:**

C = CRATE REEL PUT-UP.

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