

## 9550 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
50	24	7x32	TC - Tinned Copper

**Total Number of Conductors:** 100

**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	1.372

**Overall Cable**

**Overall Nominal Diameter:** 17.983 mm

**Pair****Pair Color Code Chart:**

Number	Color
1	Blue & White
2	Orange & White
3	Green & White
4	Brown & White
5	Gray & White
6	Blue/ White & White
7	Blue/Orange & White
8	Blue/Green & White
9	Blue/Brown & White
10	Blue/Gray & White
11	Orange/White & White
12	Orange/Green & White
13	Orange/Brown & White
14	Orange/Gray & White
15	Green/White & White

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16	Green/Brown & White
17	Green/Gray & White
18	Brown/White & White
19	Brown/Gray & White
20	Gray/White & White
21	Blue & Red
22	Orange & Red
23	Green & Red
24	Brown & Red
25	Gray & Red
26	Blue/White & Red
27	Blue/Orange & Red
28	Blue/Green & Red
29	Blue/Brown & Red
30	Blue/Gray & Red
31	Orange/White & Red
32	Orange/Green & Red
33	Orange/Brown & Red
34	Orange/Gray & Red
35	Green/White & Red
36	Green/Brown, Red
37	Green/Gray & Red
38	Brown/White & Red
39	Brown/Gray & Red
40	Gray/White & Red
41	Blue & Black
42	Orange & Black
43	Green & Black
44	Brown & Black
45	Gray & Black
46	Blue/White & Black
47	Blue/Orange & Black
48	Blue/Green & Black
49	Blue/Brown & Black
50	Blue/Gray & Black

**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>	425.625 Kg/Km
<b>Max. Recommended Pulling Tension:</b>	2446.510 N
<b>Min. Bend Radius/Minor Axis:</b>	184.150 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

## 9550 Multi-Conductor - Computer Cable for EIA RS-232 Applications

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/m)

98.43

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

Capacitance (pF/m)

164.05

## Nominal Velocity of Propagation:

VP (%)

60

## Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

78.744

## Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)

49.8712

## Max. Operating Voltage - UL:

Voltage

300 V RMS

## Max. Recommended Current:

Current

1.1 Amps per conductor @ 25°C

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9550 060100	100 FT	31.900 LB	CHROME	C	50 PR #24 PVC FS PVC
9550 0601000	1,000 FT	311.000 LB	CHROME	C D	50 PR #24 PVC FS PVC
9550 060500	500 FT	162.000 LB	CHROME	C D	50 PR #24 PVC FS PVC

## Notes:

C = CRATE REEL PUT-UP.

D = FINAL PUT-UP LENGTH MAY VARY -0% TO +20% FROM LENGTH SHOWN.

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