### **METRIC MEASUREMENT VERSION**





## 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.

100

## **Physical Characteristics (Overall)**

### Conductor

#### AWG:

# Pairs	AWG	Stranding	Conductor Material		
50	24	7x32	TC - Tinned Copper		

Total Number of Conductors:

### 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		

Page 1 of 4 11-08-2019

## METRIC MEASUREMENT VERSION



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

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 & Blac				
48	Blue/Green & Black			
49 Blue/Brown & Black				
50	Blue/Gray & Black			

## **Mechanical Characteristics (Overall)**

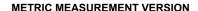
Operating Temperature Range:	-30°C To +80°C		
Non-UL Temperature Rating:	80°C (UL AWM Style 2464)		
Bulk Cable Weight:	425.625 Kg/Km		
Max. Recommended Pulling Tension:	2446.510 N		
Min. Bend Radius/Minor Axis:	184.150 mm		

# **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 Directive 2011/65/EU (ROHS II):	Yes
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

Page 2 of 4 11-08-2019





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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. 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

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	С	50 PR #24 PVC FS PVC
9550 0601000	1,000 FT	311.000 LB	CHROME	CD	50 PR #24 PVC FS PVC
9550 060500	500 FT	162.000 LB	CHROME	CD	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.

Revision Number: 2 Revision Date: 08-31-2012

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Page 3 of 4 11-08-2019

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Page 4 of 4 11-08-2019