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.

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)

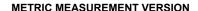
Operating Temperature Range:	-30°C To +80°C		
Non-UL Temperature Rating:	80°C (UL AWM Style 2464)		
Bulk Cable Weight:	425.625 Kg/Km		
Max. Recommended Pulling Tension:	2446.510 N		
Min. Bend Radius/Minor Axis:	184.150 mm		

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

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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	30 MT	14.470 KG	CHROME	С	50 PR #24 PVC FS PVC
9550 0601000	305 MT	141.068 KG	CHROME	CD	50 PR #24 PVC FS PVC
9550 060500	152 MT	73.482 KG	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.

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