

Part Number: 9550



RS232, #24-50pr, SR-PVC, O/A Foil, PVC Jkt, CMG, 75Ω

Product Description

Computer EIA RS-232 Cable, 24 AWG stranded (7x32) tinned copper conductors, semi-rigid PVC insulation, twisted pairs, overall Beldfoil® shield (100% coverage), 24 AWG stranded tinned copper drain wire (continued), PVC jacket.

Technical Specifications

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Pairs
24	7x32	TC - Tinned Copper	50
14			

Conductor Count:	100
Conductor Size:	24 AWG

Insulation

Material	Nominal Wall Thickness
S-R PVC - Semi-Rigid Polyvinyl Chloride	0.011 in

Color 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
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

Color Chart 2

Number
14

Outer Shield Material

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Aluminum Foil-Polyester Tape w/Shorting Fold	Beldfoil®	100 %	TC - Tinned Copper	24	7x32 mm

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.708 in	0.054 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
24 Ohm/1000ft	15.2 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
30 pF/ft	50 pF/ft

Shielding:	Foil(s) or Copper Tape(s)
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Delay

Max. Delay Skew	Nominal Velocity of Propagation (VP) [%]
60 ns/100m	60 %

Current

Max. Recommended Current [A]
1.1 Amps per conductor @ 25°C A

Voltage

UL Voltage Rating
300 V RMS

Temperature Range

Operating Temp Range:	-30°C To +80°C
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Mechanical Characteristics

Bulk Cable Weight:	286 lbs/1000ft
Max Recommended Pulling Tension:	550 lbs
Min Bend Radius/Minor Axis:	7.25 in

Standards

NEC/(UL) Specification:	CMG
CEC/C(UL) Specification:	CMG
UL AWM Style:	2464 (300 V 80°C)
CSA AWM Specification:	AWM I A
CPR Euroclass:	Eca

Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2005-04-01
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

Flammability, LSOH, Toxicity Testing

C(UL) Flammability:	FT4
UL Flammability:	UL1685 FT4 Loading

Plenum/Non-Plenum

Plenum (Y/N):	No
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Part Number

Variants

Item #	Color	Footnote
9550 060100	Chrome	C
9550 0601000	Chrome	C D
9550 060500	Chrome	C D

Footnote:	C - CRATE REEL PUT-UP.
Footnote:	D - FINAL PUT-UP LENGTH MAY VARY -0% TO +20% FROM LENGTH SHOWN.

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