

**9503 Paired - Computer Cables for EIA RS-232 Applications**

	<p>For more information please call <b>1-800-Belden1</b></p> <p><u>See Put-ups and Colors</u></p> <p><b>Color Code Chart : No. 3 for Paired Cables (Belden Standard).pdf</b></p>
---	--

**Description:**

24 AWG stranded (7x32) tinned copper conductors, twisted pairs, S-R PVC insulated, 100% Beldfoil® shield, 24 AWG stranded (7x32) tinned copper drain wire, PVC jacket.

**PHYSICAL CHARACTERISTICS:**

**CONDUCTOR:**

Number of Pairs	3
Total Number of Conductors	6
AWG	24
Stranding	7x32
Conductor Material	TC - Tinned Copper

**INSULATION:**

Insulation Material	S-R PVC - Semi-Rigid Polyvinyl Chloride
---------------------	---

**PAIR:**

Pair Lay Length	1.5 in.
Pair Twists/ft.	8

Pair Color Code Chart :

Number	Color	Number	Color
1	Black & Red	3	Black & Green
2	Black & White		

**OUTER SHIELD:**

Outer Shield Material Trade Name	Beldfoil®
Outer Shield Type	Tape
Outer Shield Material	Aluminum Foil-Polyester Tape
Outer Shield % Coverage	100 %

**OUTER SHIELD DRAIN WIRE :**

Outer Shield Drain Wire AWG	24
Outer Shield Drain Wire Stranding	7x32
Outer Shield Drain Wire Conductor Material	TC - Tinned Copper

**9503 Paired - Computer Cables for EIA RS-232 Applications**

**OUTER JACKET:**

Outer Jacket Material	PVC - Polyvinyl Chloride
-----------------------	--------------------------

**OVERALL NOMINAL DIAMETER:**

Overall Nominal Diameter	.232 in.
--------------------------	----------

**MECHANICAL CHARACTERISTICS:**

Operating Temperature Range	-30°C To +80°C
Temperature Rating	80°C
Bulk Cable Weight	27.1 lbs/1000 ft.
Max. Recommended Pulling Tension	33 lbs.
Min. Bend Radius (Install)	2.5 in.

**APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:**

**APPLICABLE STANDARDS:**

NEC/(UL) Specification	CMG
CEC/C(UL) Specification	CMG
AWM Specification	2464
CSA Specification	AWM I A

**FLAME TEST:**

UL Flame Test	UL1581 Vertical Tray
C(UL) Flame Test	FT4

**PLENUM/NON-PLENUM:**

Plenum (Y/N)	N
Plenum Number	89503, 82503

**ELECTRICAL CHARACTERISTICS:**

Nom. Characteristic Impedance	75 Ohms
Nom. Capacitance Conductor to Conductor @ 1 KHz	30 pF/ft
Nom. Cap. Cond. to Other Cond. & Shield @ 1 KHz	50 pF/ft
Nominal Velocity of Propagation	60 %
Nom. Conductor DC Resistance @ 20 Deg. C	24 Ohms/1000 ft
Nominal Outer Shield DC Resistance @ 20 Deg. C	17 Ohms/1000 ft
Max. Operating Voltage - UL	300 V RMS
Other Maximum Continuous Currents	1.76 Amps per conductor @ 25°C

**PUT-UPS AND COLORS:**

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
9503 060100	3 PR #24 PVC FS PVC	100	3.4	CHROME	
9503 0601000	3 PR #24 PVC FS PVC	1000	29	CHROME	



---

**9503 Paired - Computer Cables for EIA RS-232 Applications**

9503 060500	3 PR #24 PVC FS PVC	500	15	CHROME	
9503 060U1000	3 PR #24 PVC FS PVC	U1000	29	CHROME	
9503 060U500	3 PR #24 PVC FS PVC	U500	14.5	CHROME	

Revision Number: 1      Revision Date: 10-22-2003

---

© 2003 Belden Wire & Cable Company  
All Rights Reserved.

Although Belden Electronics Division ("Belden") makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.  
Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.  
All sales of Belden products are subject to Belden's standard terms and conditions of sale.