



**9509 Paired - Computer Cable for EIA RS-232 Applications**

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

**CONDUCTOR:**

Number of Pairs	9
Total Number of Conductors	18
AWG	24
Stranding	7x32
Conductor Material	TC - Tinned Copper

**INSULATION:**

Insulation Material	S-R PVC - Semi-Rigid Polyvinyl Chloride
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**Pair Color Code Chart :**

Number	Color	Number	Color
1	Black & Red	6	Black & Brown
2	Black & White	7	Black & Orange
3	Black & Green	8	Red & White
4	Black & Blue	9	Red & Green
5	Black & Yellow		

**OUTER SHIELD:**

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

**OUTER SHIELD DRAIN WIRE :**

Outer Shield Drain Wire AWG	24
Outer Shield Drain Wire Stranding	7x32



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Outer Shield Drain Wire Conductor Material	TC - Tinned Copper
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### OUTER JACKET:

Outer Jacket Material	PVC - Polyvinyl Chloride
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### OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	.334 in.
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### MECHANICAL CHARACTERISTICS:

Operating Temperature Range	-30°C To +80°C
Non-UL Temperature Rating	80°C (UL AWM Style 2464)
Bulk Cable Weight	62.2 lbs/1000 ft.
Max. Recommended Pulling Tension	99 lbs.
Min. Bend Radius (Install)	3.5 in.

### APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

#### APPLICABLE STANDARDS:

NEC/(UL) Specification	CMG
CEC/C(UL) Specification	CMG
AWM Specification	UL Style 2464 (300 V 80°C)
CSA Specification	AWM I A
EU CE Mark (Y/N)	Yes
EU RoHS Compliant (Y/N)	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	04/01/2005

#### FLAME TEST:

UL Flame Test	UL1685 FT4 Loading
C(UL) Flame Test	FT4

#### PLENUM/NON-PLENUM:

Plenum (Y/N)	N
Plenum Number	82509

#### 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	16.5 Ohms/1000 ft
Max. Operating Voltage - UL	300 V RMS (UL AWM Style 2464)
Max. Recommended Current	1.1 Amps per conductor @ 25°C



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### PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
9509 060100	9 PR #24 PVC FS PVC	100	6.9	CHROME	
9509 0601000	9 PR #24 PVC FS PVC	1000	67	CHROME	C
9509 060500	9 PR #24 PVC FS PVC	500	33.5	CHROME	C

C = CRATE REEL PUT-UP.

Revision Number: 1      Revision Date: 07-19-2005

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