


**1508A Paired - Audio, Control and Instrumentation Cable**

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

24 AWG stranded (7x32) tinned copper conductors, twisted pair, polyolefin insulation, overall 100% Beldfoil® shield, 24 AWG stranded tinned copper drain wire, PVC jacket.

**PHYSICAL CHARACTERISTICS:**

**CONDUCTOR:**

Number of Pairs	1
Total Number of Conductors	2
AWG	24
Stranding	7x32
Conductor Diameter	.024 in.
Conductor Material	TC - Tinned Copper

**INSULATION:**

Insulation Material	PO - Polyolefin
Nom. Insulation Wall Thickness	.008 in.
Insulation Diameter	.040 in.

**PAIR:**

Pair Lay Length	1.75 in.
Pair Twists/ft.	6.85

Pair Color Code Chart :

Number	Color
1	Black & Red

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

**OUTER JACKET:**

Outer Jacket Material	PVC - Polyvinyl Chloride
Outer Jacket Nominal Wall Thickness	.024 in.
Outer Jacket Ripcord	Nylon

**OVERALL NOMINAL DIAMETER:**

Overall Nominal Diameter	.131 in.
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**MECHANICAL CHARACTERISTICS:**

Operating Temperature Range	-20°C To +60°C
Max. Recommended Pulling Tension	16.5 lbs.
Min. Bend Radius (Install)	1.5 in.

**APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:**

**PLENUM/NON-PLENUM:**

Plenum (Y/N)	N
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**ELECTRICAL CHARACTERISTICS:**

Nom. Inductance	.18 µH/ft
Nom. Capacitance Conductor to Conductor @ 1 KHz	31 pF/ft
Nom. Cap. Cond. to Other Cond. & Shield @ 1 KHz	58 pF/ft
Nominal Velocity of Propagation	66 %
Nom. Conductor DC Resistance @ 20 Deg. C	23.3 Ohms/1000 ft
Nominal Outer Shield DC Resistance @ 20 Deg. C	15.9 Ohms/1000 ft
Max. Operating Voltage - UL	300 V RMS
Other Maximum Continuous Currents	1.05 Amps per conductor @ 25°C

**NOTES:**

Notes	Jacket and shield are bonded so both can be removed with automatic stripping equipment. Beldfoil® provides high reliability with ease of termination.
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**PUT-UPS AND COLORS:**

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
1508A B591000	1 PR #24 HDPE FS PVC	1000	13	BLACK, MATTE	Z
1508A B59500	1 PR #24 HDPE FS PVC	500	6.5	BLACK, MATTE	Z

Z = FINAL PUT-UP LENGTH MAY VARY (+ OR -) 10% FOR SPOOLS OR REELS AND (+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN.

Revision Number: 1      Revision Date: 10-28-2003



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