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› Absolute USA SWT18B50 Professional Premium Speaker Wire 18 Ga 50' - Clear Blue and White User Manual

Absolute USA SWT18B50

Professional Premium Speaker Wire User Manual

Brand: Absolute USA | **Model:** SWT18B50

PRODUCT OVERVIEW

The Absolute USA SWT18B50 Professional Premium Speaker Wire is designed for optimal audio signal transfer in various applications. This 18-gauge speaker cable comes in a 50-foot spool, featuring a clear blue and white jacket. Its oxygen-free construction ensures maximum signal integrity, while its ultra-flexible and high-current design makes it suitable for car, home, and mobile audio systems.

Key Features:

- Professional premium edition speaker wire.
- 18 gauge speaker cable, supplied in a 50 ft spool.
- Ultra-flexible and high current capacity.
- Suitable for car, home, and mobile audio applications.
- Also available in 12, 14, and 16 gauge options.



Image: A coiled spool of Absolute USA SWT18B50 speaker wire, featuring a clear blue and white jacket. The wire is neatly wound, showcasing its flexibility and the distinct color coding for easy identification of polarity.

SETUP AND INSTALLATION

Proper installation of speaker wire is crucial for optimal audio performance and safety. Follow these steps for connecting your Absolute USA SWT18B50 speaker wire:

1. **Preparation:** Ensure all audio equipment (amplifier, receiver, speakers) is powered off and unplugged before beginning installation.
2. **Measure and Cut:** Determine the required length of wire for each speaker connection. Cut the wire cleanly using a wire cutter. Avoid excessive length to minimize signal loss.
3. **Strip the Wire:** Carefully strip approximately 1/2 inch (1.25 cm) of the outer insulation from both ends of the speaker wire. The SWT18B50 features clear blue and white conductors. The clear blue side typically indicates the positive (+) terminal, and the clear white side indicates the negative (-) terminal. Confirm polarity with your equipment's markings.
4. **Twist Strands:** Gently twist the exposed copper strands of each conductor to prevent fraying and ensure a solid connection.
5. **Connect to Speakers:** Connect the stripped ends of the wire to the corresponding terminals on your speakers. Ensure the positive (+) wire (clear blue) connects to the positive terminal on the speaker, and the negative (-) wire (clear white) connects to the negative terminal. Tighten the terminals securely.
6. **Connect to Amplifier/Receiver:** Connect the other end of the speaker wire to the corresponding positive (+) and negative (-) terminals on your amplifier or receiver. Maintain consistent polarity throughout the entire audio system.
7. **Secure Wiring:** Route the speaker wire safely, avoiding sharp bends, kinks, or areas where it could be pinched or damaged. Use cable ties or clips to secure the wiring if necessary.

8. **Test System:** Once all connections are made, double-check polarity and secureness. Plug in and power on your audio equipment, then test the sound output at a low volume.

Important: Incorrect polarity can lead to poor sound quality, including reduced bass response and an unfocused stereo image. Always ensure positive connects to positive and negative connects to negative.

OPERATING GUIDELINES

The Absolute USA SWT18B50 speaker wire is a passive component designed to transmit audio signals. Its operation is directly tied to the audio equipment it connects. Once properly installed, the wire facilitates the flow of electrical signals from your amplifier/receiver to your speakers.

- **Signal Transmission:** The wire's oxygen-free copper construction is optimized for efficient and clear signal transmission, minimizing resistance and signal degradation.
- **Current Handling:** The 18-gauge thickness provides sufficient current handling capacity for most car, home, and mobile audio applications, ensuring reliable power delivery to your speakers.
- **Flexibility:** The ultra-flexible jacket allows for easy routing and installation in various environments without compromising the wire's integrity.

No specific operational steps are required for the wire itself beyond ensuring secure and correct connections. The performance of your audio system will depend on the quality of all connected components and the source audio.

CARE AND MAINTENANCE

To ensure the longevity and continued performance of your Absolute USA SWT18B50 speaker wire, consider the following maintenance tips:

- **Physical Inspection:** Periodically inspect the wire for any signs of damage, such as cuts, abrasions, or kinks in the insulation. Damaged insulation can expose conductors and lead to short circuits or signal loss.
- **Connection Integrity:** Over time, connections can loosen. Occasionally check the terminals on your speakers and amplifier/receiver to ensure they remain tight and secure.
- **Environmental Protection:** Avoid exposing the wire to extreme temperatures, direct sunlight for prolonged periods, or harsh chemicals, which can degrade the insulation.
- **Cleanliness:** If the wire becomes dusty or dirty, gently wipe it with a clean, dry, or slightly damp cloth. Ensure the wire is completely dry before reconnecting to powered equipment.
- **Avoid Stress:** Do not pull, stretch, or place heavy objects on the wire, as this can damage the internal conductors or outer jacket.

Proper care will help maintain the wire's conductivity and ensure consistent audio quality for years to come.

TROUBLESHOOTING

If you experience issues with your audio system, the speaker wire might be a contributing factor. Here are some common troubleshooting steps related to speaker wire connections:

- **No Sound from a Speaker:**
 - Check the connections at both the speaker and the amplifier/receiver. Ensure they are secure and making good contact.

- Verify that the wire is not cut or broken along its length.
- Ensure the amplifier/receiver is set to the correct input and output channels.

- **Distorted or Poor Sound Quality:**

- Confirm correct polarity (+ to + and - to -) for all speaker connections. Incorrect polarity can cause phase issues, leading to weak bass and a diffused soundstage.
- Check for any frayed strands of wire that might be touching each other or other terminals, causing a short circuit.
- Ensure the wire gauge is appropriate for the length and power requirements of your system. While 18-gauge is suitable for many applications, very long runs or high-power systems might benefit from a thicker gauge (though not applicable for this specific product's gauge).

- **Intermittent Sound:**

- Loose connections are a common cause. Re-tighten all terminals.
- Inspect the wire for internal breaks, especially if it has been repeatedly bent or stressed.

If these steps do not resolve the issue, consult the user manuals for your amplifier/receiver and speakers, or seek assistance from a qualified audio technician.

PRODUCT SPECIFICATIONS

Attribute	Detail
Brand	Absolute USA
Model Number	SWT18B50
Wire Gauge	18 Gauge
Length	50 feet
Color	Clear Blue and White
Material	Copper (Oxygen-Free)
Product Dimensions	9.5 x 1.5 x 12 inches
Item Weight	2 pounds
UPC	847169043802
Manufacturer	Absolute USA Inc.
Date First Available	September 1, 2017

WARRANTY AND SUPPORT

For specific warranty information regarding your Absolute USA SWT18B50 Professional Premium Speaker Wire, please refer to the packaging or contact Absolute USA directly. General support for installation and usage can often be found through online resources or by contacting Absolute USA customer service.

Absolute USA Contact Information:

- Please visit the official Absolute USA website for the most current contact details and support

resources.

- Look for sections like "Support," "Contact Us," or "Warranty Information" on their website.