Saved from manuals.plus.
Open the live page for links to other documents and user manuals.

Akozon P1041 (AK3-AT1-GL-M-X)

Akozon P1041 4mm Banana Plug Test Cables User Manual

1. Product Overview

The Akozon P1041 is a set of two (red and black) 4mm banana plug test cables, specifically designed for use with multimeters, power supplies, and other electronic testing equipment. These cables provide a reliable and safe connection for various electrical and laboratory applications.

Key Features:

- 100% brand new and high-quality construction.
- Durable, safe, and easy to use.
- Suitable for electrical and laboratory testing work.
- Often used in school physics laboratories for quick and cost-effective circuit assembly.
- Insulated plastic boots cover the plugs for enhanced safety.



Figure 1.1: The Akozon P1041 4mm Banana Plug Test Cables, showing the red and black cables coiled.

2. Safety Information

Always observe standard electrical safety precautions when using these test cables. Ensure that the equipment you are connecting to is properly grounded and that the voltage and current ratings do not exceed the cable's specifications.

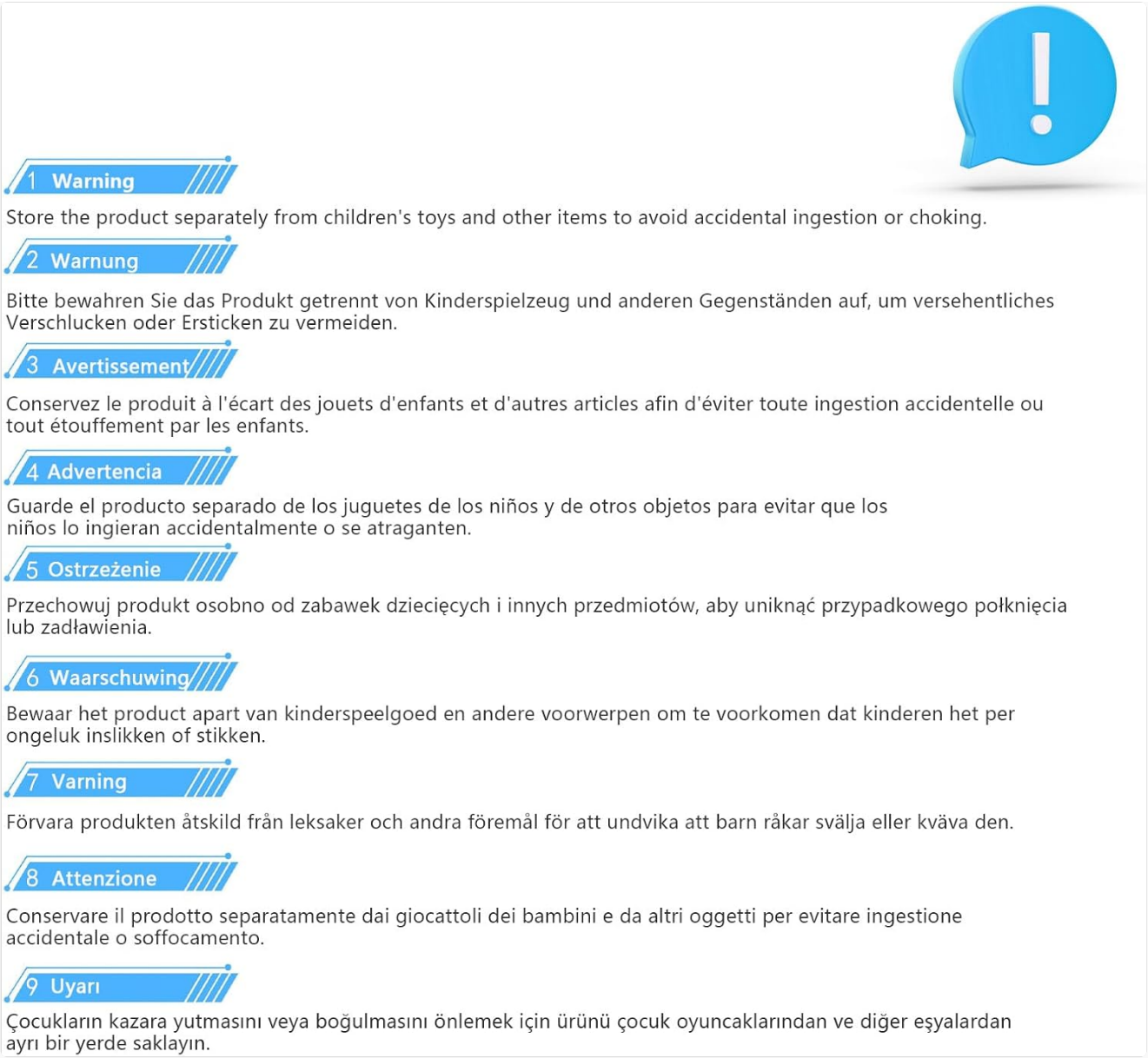


Figure 2.1: Important Safety Warning. Store the product separately from children's toys and other items to avoid accidental ingestion or choking.

3. Setup Instructions

These test cables are designed for simple plug-and-play operation with compatible equipment.

1. **Identify Connections:** The cables feature 4mm banana plugs on both ends. The red cable is typically used for positive (+) connections, and the black cable for negative (-) or ground connections.
2. **Connect to Equipment:** Insert the banana plugs firmly into the corresponding 4mm banana jacks on your multimeter, power supply, or other test equipment. Ensure a secure connection to prevent intermittent readings or accidental disconnections.
3. **Connect to Circuit:** Attach the other end of the test cables to the circuit or component you wish to test. For example, when measuring voltage across a component, connect the red lead to the higher potential point and the black lead to the lower potential point.



Figure 3.1: Example of test cables connected to a circuit board for testing purposes.



Figure 3.2: Close-up view of the banana plugs, highlighting their design for secure connections.

4. Operating Guidelines

Once connected, these cables facilitate various electrical measurements and circuit assemblies.

- **Multimeter Use:** When using with a multimeter, ensure the multimeter is set to the correct measurement mode (e.g., voltage, current, resistance) before making contact with the circuit.
- **Power Supply Use:** For connecting to a power supply, ensure the polarity is correct (red to positive, black to negative) to avoid damage to components.
- **Circuit Assembly:** These cables are excellent for quickly prototyping or assembling temporary circuits in educational or hobbyist settings.



Figure 4.1: The test cables laid out on a circuit board background, illustrating their intended use in electronic applications.

5. Care and Maintenance

Proper care will extend the lifespan of your test cables.

- **Cleaning:** Wipe the cables with a dry, soft cloth to remove dust or dirt. Do not use abrasive cleaners or solvents.
- **Storage:** Store the cables in a dry, cool place, away from direct sunlight and extreme temperatures. Avoid sharp bends or kinks in the cable.
- **Inspection:** Periodically inspect the cables for any signs of damage, such as frayed insulation, exposed wires, or bent plugs. Do not use damaged cables.

6. Troubleshooting

If you encounter issues with your test cables, consider the following common problems and solutions:

Problem	Possible Cause	Solution
No continuity / Open circuit	Internal wire break or faulty plug connection.	Inspect the cable for visible damage. Test continuity with a known good cable or multimeter. If faulty, replace the cable.

Problem	Possible Cause	Solution
Intermittent readings	Loose connection at the plug or internal wire damage.	Ensure plugs are fully inserted and secure. Gently flex the cable near the plugs to check for intermittent contact. Replace if necessary.
Difficulty inserting plugs	Jacks on equipment are too tight or plugs are slightly deformed.	Ensure proper alignment. Do not force. Check if plugs are bent. Try with a different jack if available.

7. Technical Specifications

Detailed specifications for the Akozon P1041 test cables:

Attribute	Value
Model	P1041 (AK3-AT1-GL-M-X)
Manufacturer	Akozon
Material	Wire and Conductive Metal
Color	Red, Black
Current Rating	15 Amperes
Total Length	Approx. 103 cm (40.6 inches)
Lead Diameter	0.5 cm (0.2 inches)
Cable Length (from description)	Approx. 0.71 inches (This seems to be a typo in original data, likely referring to insulation length, not cable length. The 103cm is the total length.)
Item Weight	Approx. 65 grams
Package Contents	2 x Test Cables (1 Red, 1 Black)



Figure 7.1: Diagram illustrating the approximate total length and lead diameter of the cables.

8. Warranty and Support

For warranty information or technical support regarding your Akozon P1041 test cables, please refer to the seller's return policy or contact the manufacturer directly through their official website or customer service channels. Keep your purchase receipt as proof of purchase.

© 2024 Akozon. All rights reserved.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Open the live page

https://manuals.plus/asin/B07HN7HB9X

More documents and user manuals: **https://manuals.plus/**