

## BINGFU BFUSAC0077

# Bingfu Fakra Z Female to Female Vehicle Antenna Adapter Cable

Model: BFUSAC0077 | Length: 30cm (12 inch)

## 1. INTRODUCTION

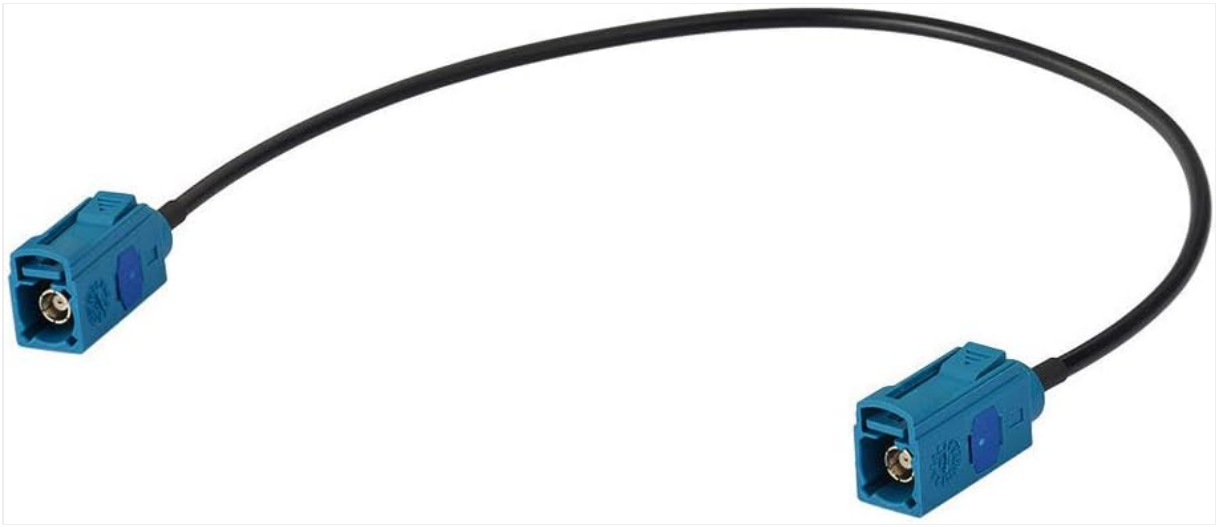
This manual provides essential information for the proper use and installation of the Bingfu Fakra Z Female to Female Vehicle Antenna Adapter Cable. This cable is designed to extend or adapt connections for various automotive communication systems. Please read this manual thoroughly before installation and use.

## 2. PRODUCT OVERVIEW

The Bingfu Fakra Z Female to Female Vehicle Antenna Adapter Cable is a coaxial cable equipped with Fakra Z Water Blue Female connectors on both ends. It is primarily used to extend existing Fakra connections or to adapt between components that require a Fakra Z interface. The "Z" coding is a universal, neutral coding designed to fit all other Fakra codes, ensuring broad compatibility.

This cable is suitable for a wide range of in-vehicle applications, including:

- Car GPS Navigation systems
- Car Stereo FM AM Radio tuners
- Sirius XM Satellite Radio receivers
- DAB Digital Radio systems
- 4G LTE Telematics modules
- Bluetooth modules



*Image 2.1: The Bingfu Fakra Z Female to Female Vehicle Antenna Adapter Cable. This image shows the full length of the cable with a Fakra Z Water Blue Female connector on each end.*

### 3. SPECIFICATIONS

Model Number	BFUSAC0077
Connector Type	Fakra Z Water Blue Female (on both ends)
Impedance	50 Ohm
Cable Type	RG174 Coaxial Cable
Length	30 cm (12 inch)
Color	Blue (connector housing)
Product Dimensions	4.7 x 6.7 x 0.5 inches (packaging)
Item Weight	0.317 ounces



*Image 3.1: Close-up view of the Fakra Z Water Blue Female connector, highlighting its design.*

## 4. SETUP AND INSTALLATION

This cable is designed for straightforward plug-and-play installation. Ensure that the devices you intend to connect utilize Fakra Z type connectors or are compatible with Fakra Z for extension purposes.

1. **Identify Connectors:** Before installation, verify that the existing cables or ports on your vehicle's head unit, antenna, or module are compatible with Fakra Z Female connectors. Fakra Z (Water Blue) is a universal coding, meaning it is designed to mate with any other Fakra code (A, B, C, D, E, F, G, H, I, K, L, M, N).
2. **Power Off:** For safety, it is recommended to turn off and disconnect power from the vehicle's audio or navigation system before making any connections.
3. **Connect the Cable:** Gently align one Fakra Z Female connector of the adapter cable with the corresponding Fakra Male connector on your device (e.g., head unit, antenna). Push firmly until you hear or feel a click, indicating a secure connection.
4. **Repeat for Second End:** Connect the other Fakra Z Female connector of the adapter cable to the second device or cable in the same manner.
5. **Secure Cable:** Route the cable carefully, avoiding sharp bends, kinks, or placement near moving parts or heat sources. Use cable ties if necessary to secure it in place.
6. **Power On and Test:** Reconnect power to your vehicle's system and test the functionality of the connected

components (e.g., GPS signal, radio reception).



*Image 4.1: Illustration of a Fakra Z Female cable connecting to the rear of a car head unit, demonstrating a typical installation scenario.*



Image 4.2: A chart illustrating various Fakra connector types, their color coding, and typical applications in Europe and USCAR standards. Note that Fakra Z (Water Blue) is a neutral code designed to fit all other types.

## 5. OPERATING INSTRUCTIONS

Once properly installed, the Bingfu Fakra Z Female to Female Vehicle Antenna Adapter Cable operates passively as an extension or adapter for your vehicle's antenna or communication system. No specific operational steps are required for the cable itself. Its function is to facilitate signal transmission between connected components.

## 6. MAINTENANCE

The Fakra adapter cable requires minimal maintenance. Follow these guidelines to ensure its longevity and optimal performance:

- **Avoid Physical Stress:** Do not bend, crimp, or pull the cable excessively. This can damage the internal coaxial structure and impair signal quality.
- **Keep Connections Clean:** Ensure that the connectors remain free from dust, dirt, and moisture. If cleaning is necessary, use a dry, lint-free cloth. Avoid using liquid cleaners directly on the connectors.
- **Temperature Exposure:** Avoid exposing the cable to extreme temperatures for prolonged periods, as this can degrade the cable materials.

- **Secure Routing:** Periodically check that the cable remains securely routed and has not become dislodged or exposed to potential damage.

## 7. TROUBLESHOOTING

If you experience issues after installing the adapter cable, consider the following troubleshooting steps:

- **No Signal or Intermittent Signal:**
  - **Check Connections:** Ensure both ends of the Fakra adapter cable are fully and securely connected. A loose connection is a common cause of signal loss.
  - **Verify Connector Type:** Double-check that you are using the correct Fakra Z Female to Female cable for your application. While Fakra Z is universal, ensure the male connectors on your devices are indeed Fakra type.
  - **Inspect Cable for Damage:** Look for any visible signs of damage to the cable, such as cuts, severe kinks, or crushed sections. Damaged cables should be replaced.
  - **Test Original Setup:** If possible, temporarily revert to the original cable setup (if one existed) to determine if the issue lies with the adapter cable or another component in your system.
- **Poor Signal Quality (e.g., static on radio, weak GPS signal):**
  - **Cable Routing:** Ensure the cable is not routed too close to sources of electromagnetic interference (e.g., power cables, high-current wires).
  - **Component Issues:** The issue might not be with the adapter cable but with the antenna, head unit, or other connected modules.



## 8. WARRANTY AND SUPPORT


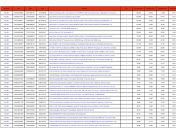
For warranty information or technical support regarding your Bingfu Fakra Z Female to Female Vehicle Antenna Adapter Cable, please refer to the product packaging or contact Bingfu customer service directly. Contact details can typically be found on the manufacturer's official website or through your point of purchase.

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This manual is for informational purposes only. Specifications are subject to change without notice.

### Related Documents - BFUSAC0077

<div>RF Connector Usage Guidelines</div> <div></div> <div> <small>Made in China</small></div>	<div><a href="#">Bingfu RF Connector Usage Guidelines</a></div> <div>Concise guidelines for the proper installation and use of Bingfu RF connectors to ensure optimal performance and longevity.</div>
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	<p><a href="#">Budget DIY GPS/GNSS Base Station / Receiver Setup With ESP32 and UM980</a></p> <p>Learn how to build a cost-effective DIY GPS/GNSS base station or receiver using the ESP32 microcontroller and Unicorecomm UM980 module. This guide covers hardware, firmware, and configuration for creating a custom high-precision location system.</p>
	<p><a href="#">Produktliste und Preise für Elektronik und Zubehör</a></p> <p>Umfassende Liste von Elektronikprodukten und Zubehör mit detaillierten Preisinformationen. Entdecken Sie eine breite Palette von Marken und Artikeln, von Kopfhörern und Lautsprechern bis hin zu Computern und Mobiltelefonzubehör.</p>