

Waveform CAT6WP-RJFF

Waveform Ethernet Window Entry Cable Instruction Manual

Model: CAT6WP-RJFF | Brand: Waveform

1. OVERVIEW

The Waveform Ethernet Window Entry Cable provides a high-performance, ultra-flat solution for routing Ethernet cables through windows and doors without drilling. Designed for universal compatibility, it supports various window types and delivers high-speed data transfer and Power over Ethernet (PoE++) for connected devices.

2. KEY FEATURES

- **Universal Compatibility:** Slim, flexible ribbon design for use with sliding, awning, hung, casement, and hopper windows, as well as many doors.
- **Integrated Weatherproofing:** Outdoor connector features a weatherproofing sleeve to protect cable runs from environmental elements.
- **Simple Installation:** No specialized tools or extensive technical knowledge required for setup, preserving the integrity of your space.
- **Power Delivery:** Rated for POE++ power delivery, providing up to 100W to connected devices, including Starlink Gen 3 dishes.
- **High Speed:** Utilizes CAT 6A cable to deliver up to 10 Gbps for demanding applications.

3. INSTALLATION GUIDE

3.1 Preparing for Installation

Ensure the window or door frame is clean and dry before installation. Identify the optimal path for the cable to

minimize bending and stress on the flat ribbon section.

3.2 Routing the Cable Through a Window

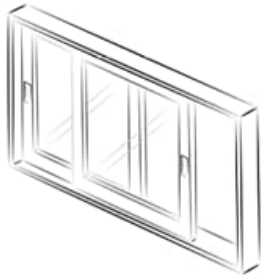
1. Open the window or door where the cable will pass through.
2. Carefully place the ultra-flat ribbon section of the cable across the window sill or door frame. Ensure the ribbon lies flat and is not twisted.
3. Close the window or door slowly, ensuring the ribbon is not pinched or damaged. The slim design allows the window to close completely.
4. Secure the indoor and outdoor connector boxes to the window frame or adjacent wall using the adhesive backing or appropriate fasteners (not included). The connector boxes are designed to allow cables to exit at 90-degree angles for a neat installation.
5. Connect your external Ethernet cable to the outdoor connector and your internal Ethernet cable to the indoor connector. Ensure all connections are secure.



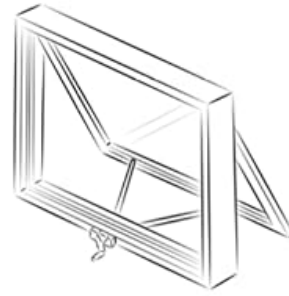
Image: The Waveform Ethernet Window Entry Cable routed through a window, demonstrating its flat ribbon design for seamless closure.

3.3 Weatherproofing the Outdoor Connection

The outdoor connector features an integrated weatherproofing sleeve. Ensure this sleeve is properly tightened over the outdoor Ethernet cable connection to protect it from moisture and dust.



Sliding



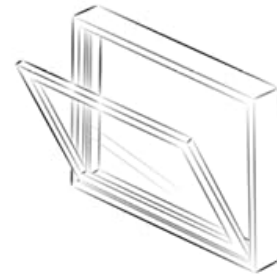
Awning



Hung



Casement



Hopper

Image: Detailed view of the integrated weatherproofing components of the outdoor connector.

3.4 Video Installation Guide

Video: An official Waveform video demonstrating the features and installation of the Window Entry Cable. This video highlights its universal compatibility, high-speed data transfer, PoE delivery, and weather-protected connection.

4. COMPATIBILITY

This cable is designed for universal use with various networking devices and window types.

4.1 Device Compatibility

The Waveform Ethernet Window Entry Cable is compatible with a wide range of devices requiring an Ethernet connection, including:

- Starlink Gen 3 dishes
- Outdoor 5G modems
- Security cameras
- Outdoor WiFi access points
- Outdoor speakers
- Smart home devices

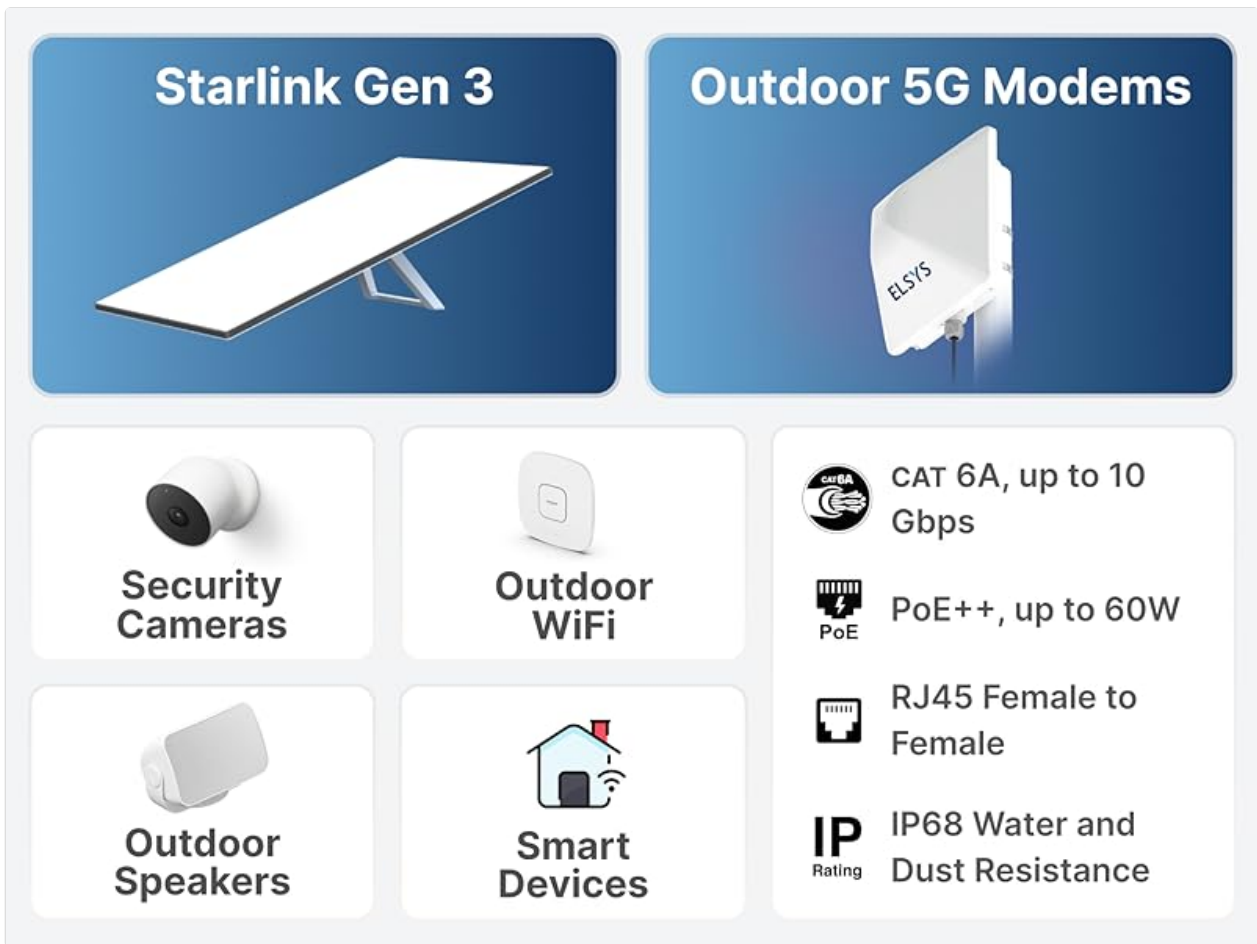


Image: Visual representation of devices compatible with the Waveform Ethernet Window Entry Cable.

4.2 Window Type Compatibility

The flexible ribbon design ensures compatibility with nearly every type of window, including:

- Sliding windows
- Awning windows
- Hung windows
- Casement windows
- Hopper windows



Image: Examples of various window types compatible with the cable's design.

5. SPECIFICATIONS

Feature	Detail
Brand	Waveform
Model	CAT6WP-RJFF
Cable Type	CAT 6A, Unshielded Twisted Pair (UTP)
Data Transfer Rate	Up to 10 Gigabits Per Second (10 Gbps)
Power Over Ethernet (PoE)	POE++, up to 100W
Connectors	RJ45 Female-to-Female (Jack)
Ribbon Thickness	1.5 mm (0.06 in)
Ribbon Length	250 mm (9.8 in)
Total Length	37 cm (14.6 in)
Indoor/Outdoor Usage	Outdoor
Special Feature	Weatherproofing on outdoor connector

Feature	Detail
Certifications	CE, ETL, RoHS, CL
Color	White
Item Weight	52 Grams

6. MAINTENANCE

The Waveform Ethernet Window Entry Cable is designed for durability and minimal maintenance. To ensure optimal performance and longevity:

- Periodically inspect the flat ribbon section for any signs of wear, cracks, or damage, especially if the window is frequently opened and closed.
- Check the outdoor connector's weatherproofing sleeve to ensure it remains securely fastened and free from debris.
- Keep the cable and connectors clean from dust and dirt. Use a soft, dry cloth for cleaning.
- Avoid excessive bending or sharp angles on the flat ribbon section to prevent internal wire damage.

7. TROUBLESHOOTING

If you experience issues with your Waveform Ethernet Window Entry Cable, consider the following:

- **No Network Connection:**
 - Ensure both indoor and outdoor Ethernet cables are securely connected to the window entry cable's RJ45 ports.
 - Verify that the flat ribbon section is not pinched or damaged by the window/door frame.
 - Test your external and internal Ethernet cables independently to rule out issues with other components.
- **Slow Network Speed:**
 - Confirm that all connected devices and cables (including the window entry cable) support CAT 6A or higher for optimal 10 Gbps performance.
 - Check for any physical damage to the cable that might impede signal quality.
 - Ensure the window is fully closed and sealed around the ribbon to prevent environmental interference.
- **Power Delivery Issues (PoE++):**
 - Verify that your Power over Ethernet injector or switch is functioning correctly and provides sufficient power (up to 100W for PoE++).
 - Ensure the connected device is PoE++ compatible.

8. WARRANTY AND SUPPORT

For specific warranty information, please refer to the product packaging or the official Waveform website. Typically, Waveform products come with a manufacturer's warranty covering defects in materials and workmanship.

For technical support, troubleshooting assistance, or warranty claims, please contact Waveform customer service through their official website or the retailer from whom the product was purchased. Keep your proof of purchase handy when contacting support.

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