**C2G 22014**

# C2G 22014 Cat6 Cable - Snagless Unshielded Ethernet Network Patch Cable User Manual

Brand: C2G | Model: 22014

## 1. INTRODUCTION

This manual provides essential information for the proper use and care of your C2G 22014 Cat6 Snagless Unshielded Ethernet Network Patch Cable. This cable is designed for high-performance networking applications, facilitating voice, data, and video distribution. It is engineered to handle bandwidth-intensive tasks and minimize signal degradation.

## 2. PRODUCT OVERVIEW

The C2G 22014 Cat6 cable is a reliable solution for connecting network devices. Its design focuses on durability and optimal signal integrity.

### Key Features:

- **Snagless Design:** Prevents unwanted cable snags during installation and provides extra strain relief, protecting the RJ45 connector clip.
- **High Performance:** Meets all Cat6 TIA/EIA-568-B-2.1, draft 9 standards, ensuring high-speed data transmission.
- **Reduced Impedance & SRL:** Drastically reduces both impedance and structural return loss (SRL) compared to standard 100 MHz wire.
- **Minimized NEXT:** Constructed with bonded pairs and a shortened body plug to minimize Near-End Crosstalk (NEXT) levels.
- **Durable Construction:** Features a copper braid and PVC jacket for enhanced durability.
- **Versatile Use:** Ideal for connecting network adapters, hubs, switches, routers, DSL/cable modems, and patch panels.

### Product Images:

Figure 2.1: Overview of the C2G 22014 Cat6 Snagless Unshielded Ethernet Network Patch Cable, illustrating its black cable and clear RJ45 connectors on both ends.

Figure 2.2: Detailed view of a single RJ45 connector on the C2G 22014 cable, highlighting the integrated snagless boot designed to protect the clip during connection and disconnection.

Figure 2.3: Side profile of the RJ45 connector and the cable, demonstrating the robust strain relief mechanism that enhances durability and prevents cable damage at the connection point.

Figure 2.4: An alternative close-up of the RJ45 connector, providing a view of the internal wiring through its transparent housing, which is characteristic of unshielded twisted pair (UTP) cables.

## Product Videos:

There are no official product videos available for this item from the seller.

## 3. SETUP

The C2G Cat6 cable is designed for simple plug-and-play installation. Follow these steps to set up your network connection:

1. **Identify Ports:** Locate the RJ45 Ethernet ports on your network devices (e.g., computer, router, modem, switch, patch panel).

2. **Connect First End:** Gently insert one end of the C2G Cat6 cable into an available RJ45 port on your first device. Ensure the connector clicks into place, indicating a secure connection. The snagless boot will help prevent the clip from breaking during insertion.

3. **Connect Second End:** Insert the other end of the cable into an RJ45 port on your second network device. Again, ensure a secure click.

4. **Verify Connection:** Most network devices have indicator lights (LEDs) next to the Ethernet ports. A solid or blinking light typically indicates an active and functional connection. Refer to your device's manual for specific LED behavior.

This cable is compatible with any device featuring a standard RJ45 Ethernet port, supporting 10 Gigabit data transmission for 10GBase-T applications.

# 4. OPERATING

As a passive network component, the C2G Cat6 cable does not require active operation or configuration. Once properly connected between two compatible network devices, it facilitates data transmission automatically.

- **Data Flow:** The cable transmits data signals between connected devices.
- **Speed:** It supports speeds up to 10 Gigabit Ethernet (10GBase-T) over its specified length, provided the connected devices also support these speeds.
- **Performance:** The cable's design minimizes signal interference (NEXT) and loss (SRL), ensuring stable and efficient network performance.

# 5. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your C2G Cat6 cable:

- **Storage:** Store the cable in a cool, dry place away from direct sunlight and extreme temperatures. Avoid tightly coiling or bending the cable sharply, as this can damage the internal wires.
- **Cleaning:** If necessary, gently wipe the cable and connectors with a soft, dry, lint-free cloth. Do not use liquid cleaners or solvents.
- **Handling:** Always grasp the connector housing when plugging or unplugging the cable, not the cable itself. This prevents strain on the connector and internal wiring.
- **Protection:** Utilize the snagless boot feature by ensuring it is properly aligned when inserting the connector to protect the locking clip.

# 6. TROUBLESHOOTING

If you experience issues with your network connection, consider the following troubleshooting steps:

- **No Network Connection:**

  - Ensure both ends of the cable are securely plugged into their respective ports. Listen for a click.
  - Check the network indicator lights on your devices. If they are off, try re-seating the cable or using a different port.
  - Test the cable with another known working device or try a different Ethernet cable to isolate the problem.

- **Slow Network Speed:**

  - Verify that both connected devices support the desired network speed (e.g., Gigabit Ethernet).
  - Ensure the cable is not excessively bent, kinked, or run near sources of strong electromagnetic interference (EMI).
  - Confirm that the cable length is appropriate for your application and does not exceed recommended maximums for Cat6 (e.g., 100 meters for 1000Base-T, shorter for 10GBase-T).

- **Intermittent Connection:**

  - Check for any physical damage to the cable or connectors.
  - Ensure the cable is not being stepped on or pinched by furniture.
  - Try connecting the cable to different ports on your devices.

If issues persist after these steps, the cable may be faulty, or the problem might lie with the connected network hardware.

# 7. SPECIFICATIONS

| Attribute | Detail |
|---|---|
| Brand | C2G |
| Model Number | 22014 |
| Cable Type | Snagless, Booted, Ethernet Patch Cable, Unshielded (UTP) |
| Connector Type | RJ45 Male to RJ45 Male |
| Length | 15 Feet / 4.57 Meters (as per product variant) |
| Color | Black (as per product variant) |
| Compatible Devices | Modem, Router, Network Adapters, Hubs, Switches, Patch Panels |
| Special Feature | Data Transfer |
| Product Dimensions | 12 x 10 x 0.03 inches; 5.93 ounces |
| Date First Available | August 5, 2011 |

# 8. WARRANTY INFORMATION

Specific warranty details for the C2G 22014 Cat6 cable are not provided in the product data. Please refer to the manufacturer's official website or contact C2G customer support for comprehensive warranty information.

# 9. SUPPORT

For technical assistance, product inquiries, or further support regarding your C2G 22014 Cat6 cable, please visit the official C2G website or contact their customer service department. Contact information is typically available on the manufacturer's packaging or website.

You can also visit the C2G Store on Amazon for more information and products.