C2G CG-00843

C2G CAT6 Snagless Shielded Ethernet Network Patch Cable User Manual

Model: CG-00843

1. INTRODUCTION

This manual provides instructions for the proper use, setup, and maintenance of your C2G CAT6 Snagless Shielded Ethernet Network Patch Cable. This cable is designed to protect high-speed networks from noise and electromagnetic interference, supporting bandwidth-intensive applications for voice, data, and video distribution. It significantly reduces impedance and structural return loss (SRL), ensuring reliable network performance.

Each patch cable is fully tested to meet ANSI/TIA 568 C.2 Cat6 component requirements. The individual pairs are bonded to maintain twist-spacing, minimizing Near-End Crosstalk (NEXT) levels.

2. SETUP

The C2G CAT6 Snagless Shielded Ethernet Network Patch Cable features RJ-45 male connectors on both ends for easy connection to compatible network devices.

1. **Identify Ports:** Locate the RJ-45 Ethernet ports on your network devices (e.g., computer, router, switch, modem, network printer).

2. **Connect First End:** Insert one end of the C2G CAT6 cable into an available RJ-45 port on your first network device. Ensure the connector clicks securely into place. The snagless design helps prevent damage to the locking tab during installation and removal.

3. **Connect Second End:** Insert the other end of the C2G CAT6 cable into an available RJ-45 port on your second network device. Again, ensure a secure connection.

4. **Verify Connection:** Most network devices have indicator lights near the Ethernet port. Observe these lights to confirm a successful physical connection (e.g., a solid or blinking green/amber light).

This cable is suitable for both indoor and outdoor usage, providing flexibility in network deployment.

3. OPERATION

Once properly connected, the C2G CAT6 Snagless Shielded Ethernet Network Patch Cable facilitates high-speed data transmission between your connected devices.

- **Data Transfer Rate:** This Cat 6 cable supports data transfer rates of up to 1 Gigabits Per Second (Gbps), making it suitable for demanding network applications.

- **Shielding Benefits:** The Screened Shielded Twisted Pair (SSTP) construction provides superior protection against electromagnetic interference (EMI) and radio frequency interference (RFI). This is crucial in environments with high electrical noise, ensuring stable and reliable network performance.

- **Applications:** Ideal for connecting network devices, high-speed data transmission, and voice/data/video distribution in commercial, industrial, and residential settings.

No specific operational controls are required for the cable itself; its function is passive data transmission.

4. MAINTENANCE

To ensure the longevity and optimal performance of your C2G CAT6 Snagless Shielded Ethernet Network Patch Cable, follow these simple maintenance guidelines:

- **Avoid Sharp Bends:** Do not bend the cable sharply, as this can damage the internal conductors and shielding, leading to performance degradation. Maintain a gentle curve when routing.

- **Protect Connectors:** Avoid pulling the cable by the wire itself; always grasp the RJ-45 connector when plugging or unplugging. Keep connectors free from dust and debris.

- **Cable Management:** Use cable ties or wraps to manage excess cable length and prevent tangling, which can lead to damage.

- **Environmental Conditions:** While suitable for indoor and outdoor use, avoid exposing the cable to extreme temperatures or direct, prolonged sunlight if not specifically rated for such conditions.

- **Cleaning:** If necessary, gently wipe the cable with a soft, dry cloth. Do not use harsh chemicals or abrasive cleaners.

5. TROUBLESHOOTING

If you experience network connectivity issues, consider the following troubleshooting steps:

- **No Network Connection:**

  - Ensure both ends of the cable are securely plugged into the RJ-45 ports. Listen for a click.
  - Check the network indicator lights on your devices. If they are off, try reseating the cable or using a different port.
  - Test the cable with another known working device or replace it with a different cable to rule out a faulty cable.

- **Slow Network Speed:**

  - Verify that all network devices (router, switch, network adapter) support Gigabit Ethernet (1 Gbps) to match the cable's capability.
  - Ensure the cable is not excessively long for your application, though this 2ft cable is unlikely to cause significant signal degradation due to length.
  - Check for sources of electromagnetic interference near the cable, although the shielding should mitigate most issues.

- **Intermittent Connection:**

- Inspect the RJ-45 connectors for any visible damage, bent pins, or corrosion.
- Ensure the cable is not being pinched or stressed by furniture or other objects.

If problems persist after these steps, consult the documentation for your network devices or contact C2G customer support.

6. SPECIFICATIONS

Feature	Detail
Brand	C2G
Model Number	CG-00843
Cable Type	Screened Shielded Twisted Pair (SSTP), Stranded
Ethernet Category	Cat 6
Connector Type	RJ-45 Male to RJ-45 Male
Data Transfer Rate	1 Gigabits Per Second (Gbps)
Length	2 Feet
Color	Red
Special Features	High Speed, Snagless, Molded
Specification Met	ANSI/TIA 568 C.2, Electromagnetic
Indoor/Outdoor Usage	Indoor, Outdoor
Item Weight	0.09 Pounds
UPC	757120008439

7. WARRANTY AND SUPPORT

C2G products are designed for reliability and performance. For specific warranty information regarding your C2G CAT6 Snagless Shielded Ethernet Network Patch Cable, please refer to the warranty documentation included with your purchase or visit the official C2G website.

If you require technical assistance, have questions about product functionality, or need to report an issue, please contact C2G customer support. Contact details can typically be found on the C2G website or on your product packaging.

Online Resources: For additional information and support, visit the C2G Store on Amazon.