

CABLEGUARD

by Ten47

Assembly, Installation and Disassembly Guide



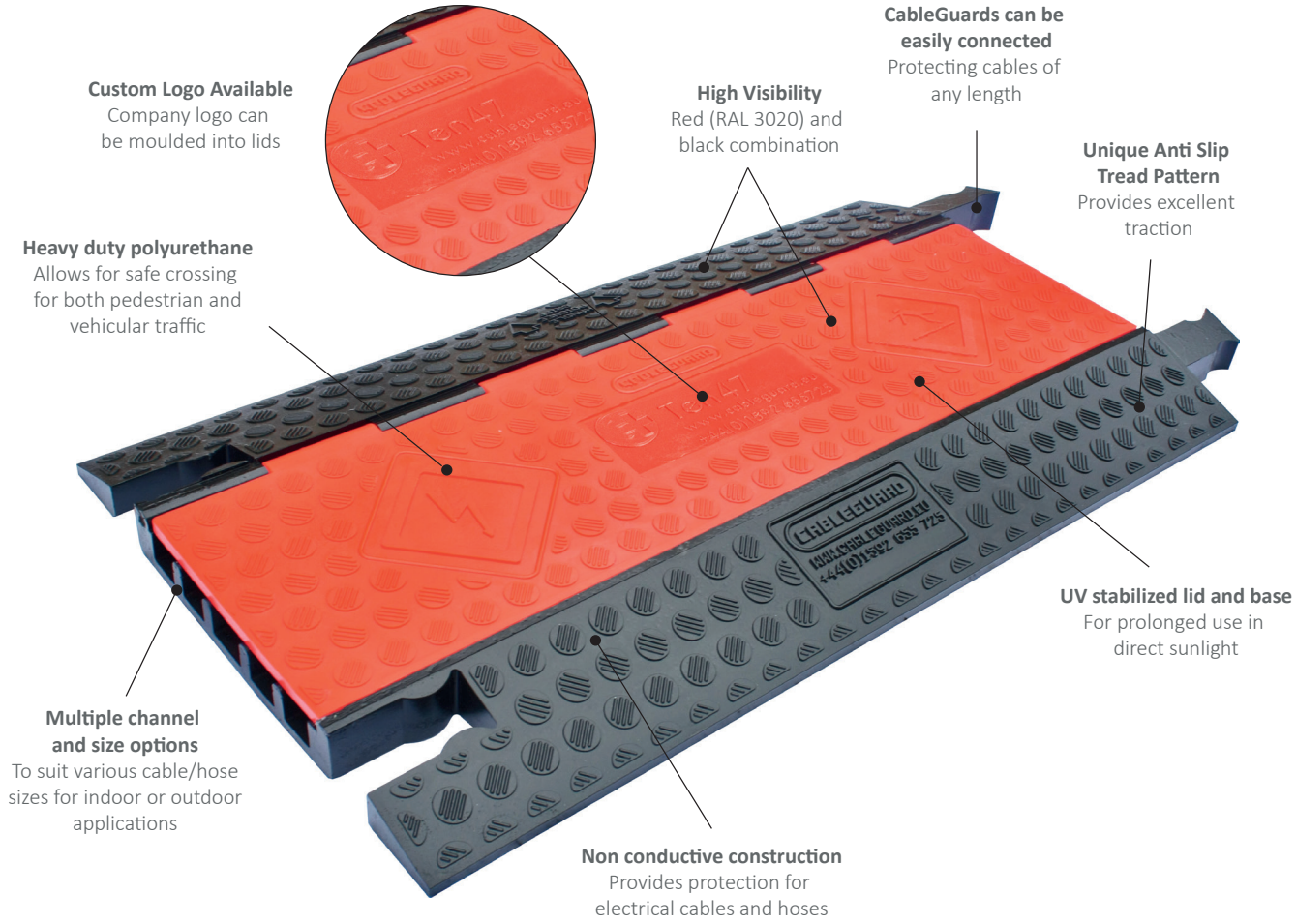
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CableGuard Overview

CableGuard by Ten 47 is a premium cable protection system engineered to safeguard cables and connectors from damage while creating safe crossing points for pedestrians and vehicles. Manufactured in Scotland from UV-stabilised, halogen-free virgin polyurethane, CableGuard products combine exceptional durability with high visibility and easy installation. From low-profile cable covers to fully modular heavy-duty ramp systems, CableGuard provides a reliable solution for events, construction sites, industrial facilities and public spaces where cable safety and protection are critical.

CableGuard Features



For more product information, please visit www.cableguard.com or get in contact with our sales team at sales@ten47.com.

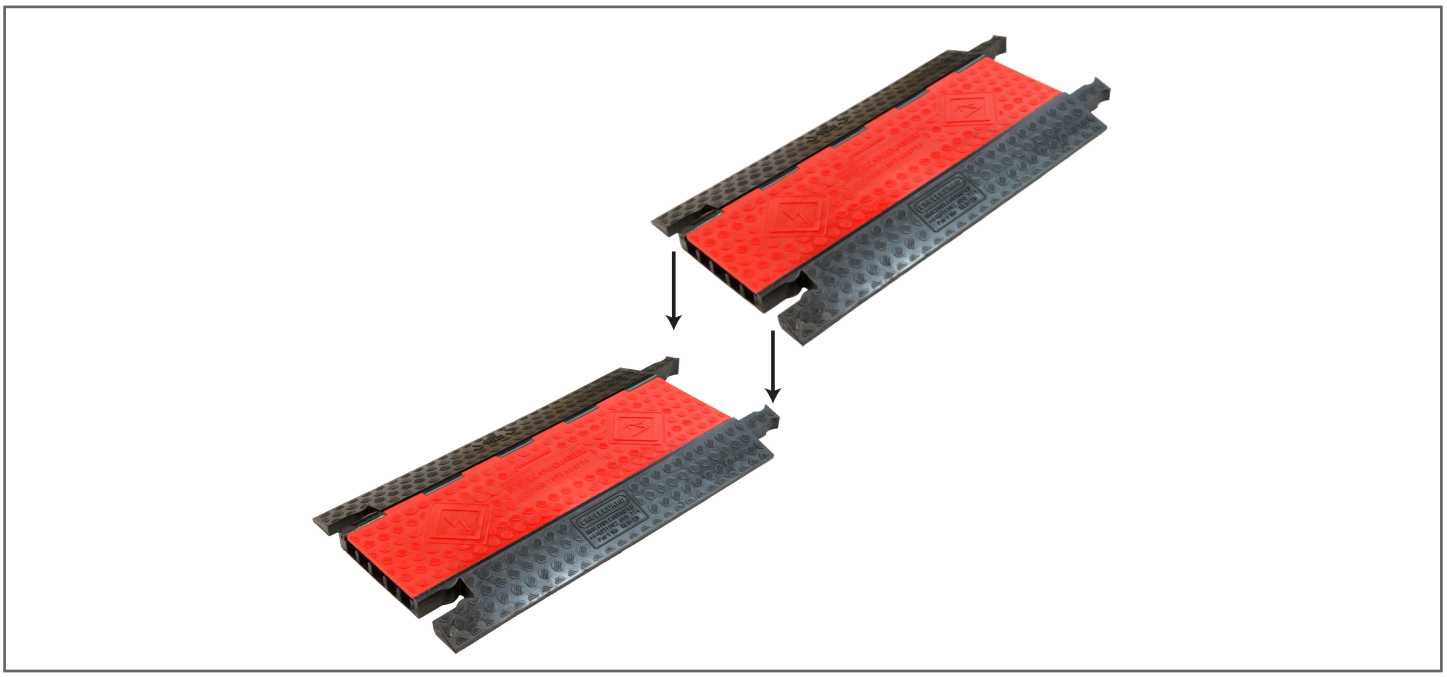
Assembly Instructions

Step 1 - Prepare the Installation Area

Check that the installation area is clear of debris, obstructions and potential hazards. Ensure there is sufficient space to position all CableGuard components in their required locations.

Step 2 - Connect the CableGuard Sections

Align the female connector of one section with the corresponding male connector on the adjacent section.



Step 3 - Secure the Connection

Apply firm downward pressure by foot to lock the connectors together. Confirm that the joint is fully engaged and that the sections are securely connected before proceeding.



Assembly Instructions

Step 4 - Install Cables

Open the lid and place cables into the appropriate channels. Ensure the contents sit correctly within the channel and are not twisted, pinched or overloaded.



Step 5 - Close the Lid

Close the lid fully, ensuring it sits flush with the base of the protector. Verify that all latches and hinge points are correctly seated.

Step 6 - Verify the Installation

Where applicable, test all services to confirm they are functioning correctly after installation.

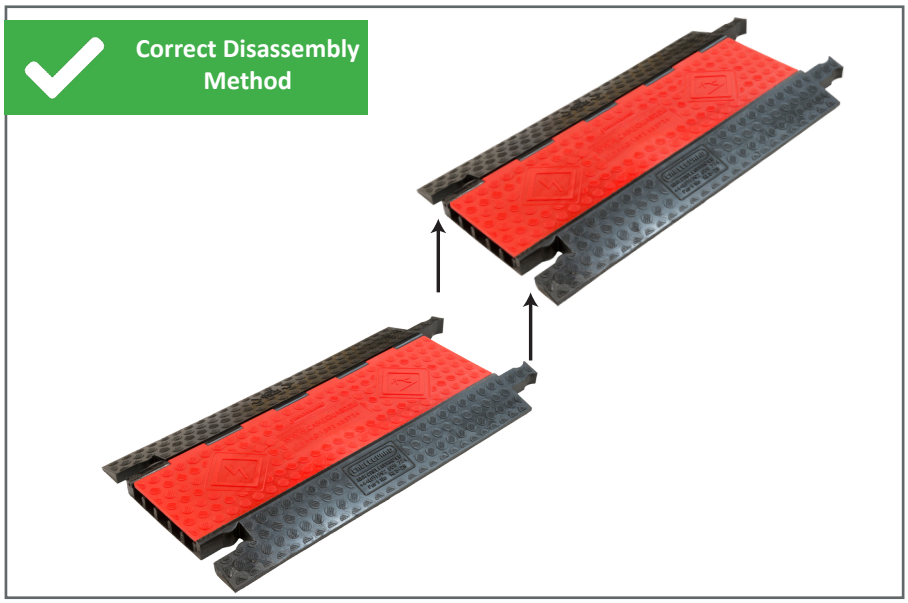
Step 7 - Perform Routine Checks

Inspect the installation periodically during use to ensure there is no damage, excessive wear or movement of the cable protector system.

Disassembly Instructions

Step 1 - Separate Connected Sections

Lift the female connector vertically away from the male connector to disengage the connection.



- Important

Incorrect disassembly techniques place unnecessary force on the connector system and may **permanently** damage the product. Always separate sections vertically before handling or storage.

Step 2 - Avoid Angled Separation

Do not pull sections apart at an angle. Lifting from the female connector end can place excessive stress on the male connector and may result in damage.





Installation Guidelines

To ensure safe operation and maximise product life, always follow these installation recommendations.

Surface Requirements

Install CableGuard products only on stable, level surfaces. Avoid uneven ground, steep inclines or damaged surfaces that may affect performance or increase the risk of product damage.

Cable Routing

Do not position cable joints or splices within the cable protector channels. Where possible, keep cable runs continuous through the installation.

Load Distribution

Avoid concentrated point loads wherever possible. Loads should be distributed evenly across the cable protector.

Temperature Considerations

Load-carrying capabilities may be reduced at elevated temperatures. Always assess the installation and verify suitability for the intended application before use.

Chemical Exposure

Avoid prolonged exposure to aggressive chemicals, including brake fluid, battery acid and antifreeze, as these substances may damage the material.

Vehicle Traffic

Where vehicle traffic is expected, vehicles should cross the installation slowly and with due care. Sudden impacts, excessive speed or harsh manoeuvres may reduce product life and compromise installation safety.

General Safety

CableGuard systems are designed to protect cables and hoses in temporary pedestrian and vehicular traffic environments. In public areas, installations may present a trip hazard if not clearly visible. Appropriate signage, barriers or additional safety measures should be used where required by site conditions or local regulations.

Product Care and Maintenance

Regular inspection and maintenance will help maximise the service life of your CableGuard products.

Storage

Store products flat in a clean, dry environment away from unnecessary contamination.

Inspection

Inspect products regularly for signs of wear, cracking, deformation or other damage. Replace damaged components immediately.

Cleaning

Remove dirt, debris and contaminants using a mild detergent solution and water. Allow components to dry thoroughly before storage.

Example of Proper Storage:



Bolt Down Connector Instructions

Tools, Materials & Equipment Required

Materials

- CableGuards with Bolt Down Connectors
- Steel sleeve tube (9mm outer Ø, ~6mm inner Ø)
- M6 bolt (75-100mm length recommended)

Personal Protective Equipment (PPE)

- Safety glasses
- Safety gloves
- Safety footwear
- Hearing protections when drilling

Tools

- SDS hammer drill
- 6mm SDS masonry drill bit
- Impact wrench or suitable power driver
- 10 mm socket
- Measuring tape (if required)
- Hole cleaning brush or compressed air (recommended)

Safety Notes

Tools

- Ensure the installation area is free from underground services, electrical conduits, pipework, or other hidden hazards before drilling.
- Always wear appropriate PPE during installation.
- Maintain firm footing and stable body positioning while drilling.
- Keep the drill perpendicular to the floor surface to prevent oversized or misaligned holes.
- Do not overtighten concrete bolts, as this may damage the anchor, floor substrate, or CableGuard connector.
- Inspect all components before installation and replace any damaged parts.

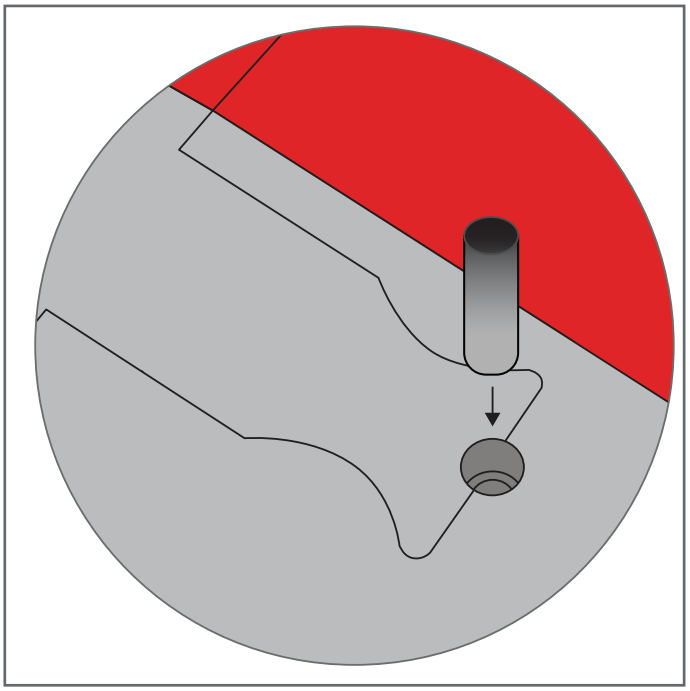
Bolt Down Connector Instructions

Step 1 - Insert Steel Sleeve Tube

Insert the steel sleeve tube (9 mm outer Ø, approximately 6 mm inner Ø) into the bolt-down hole of the CableGuard connector.

The sleeve tube acts as a drilling guide and protects the connector from accidental contact with the drill bit during installation.

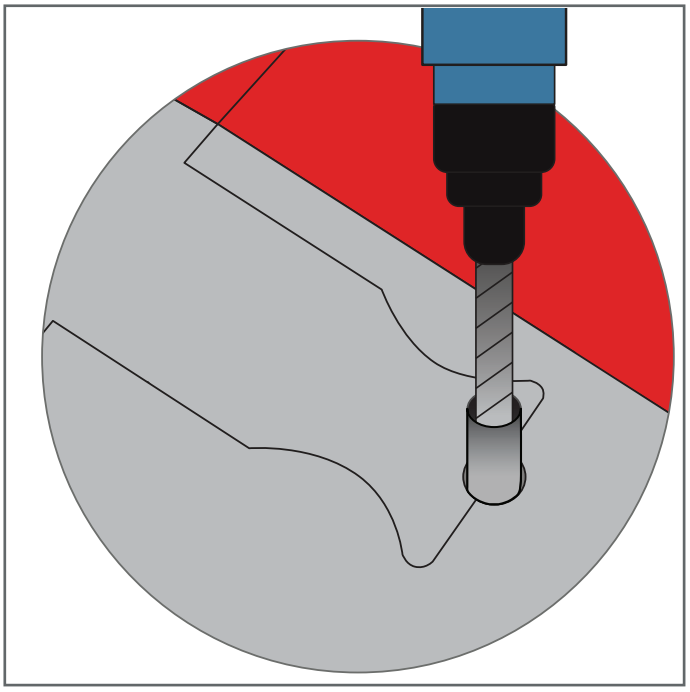
Important: *Only use a steel sleeve tube with a 9 mm outer diameter. Failure to do so may result in damage to the connector during drilling.*



Step 2 - Drill Anchor Hole

Using a 6 mm SDS masonry drill bit, drill vertically through the steel sleeve tube and into the floor substrate to the required depth for the selected concrete bolt.

Tip: *Keep the drill bit perpendicular to the floor surface throughout the drilling process to ensure a straight, accurately positioned anchor hole.*

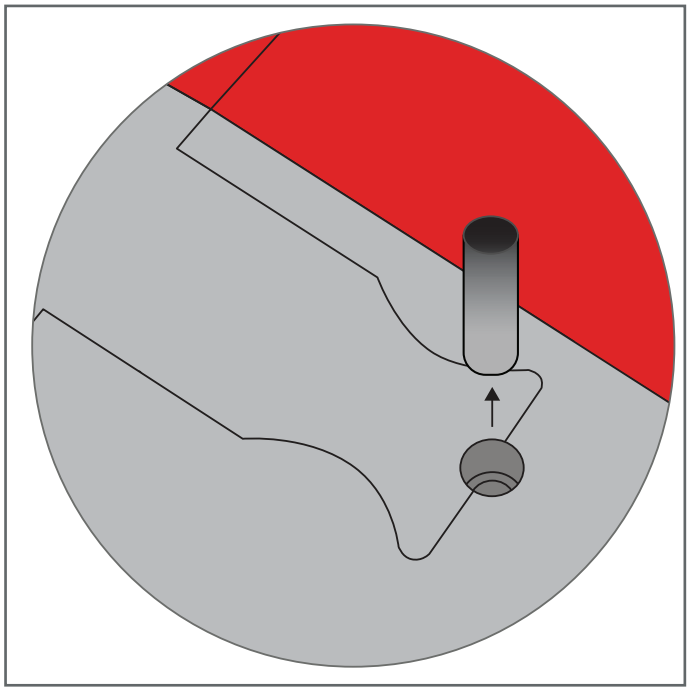


Bolt Down Connector Instructions

Step 3 - Remove Sleeve Tube

Once drilling is complete, remove the steel sleeve tube from the connector.

Inspect the drilled hole and remove any dust or debris to ensure correct anchor installation.

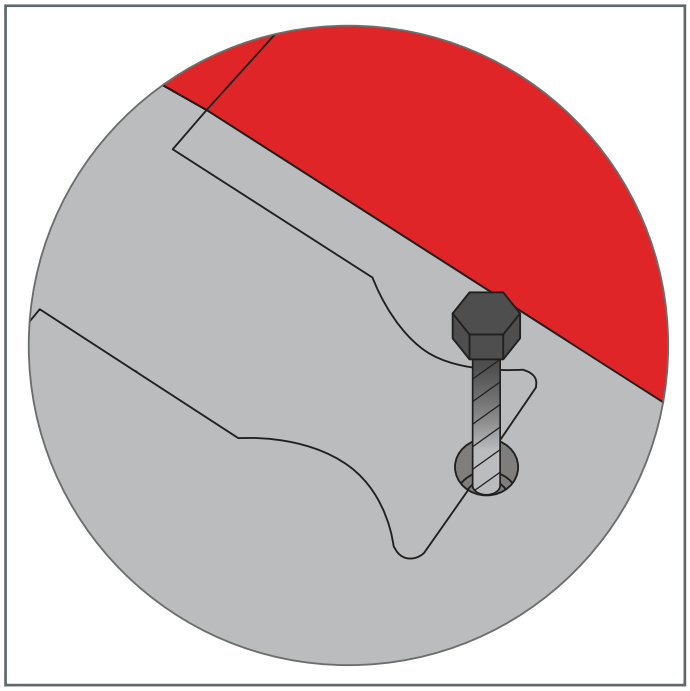


Step 4 - Install M6 Bolt

Insert the M6 bolt through the CableGuard connector and into the drilled hole.

Ensure the bolt is fully engaged and correctly aligned before tightening.

Caution: *Do not force the bolt into the hole. Confirm that the anchor hole is clear and of sufficient depth prior to installation.*



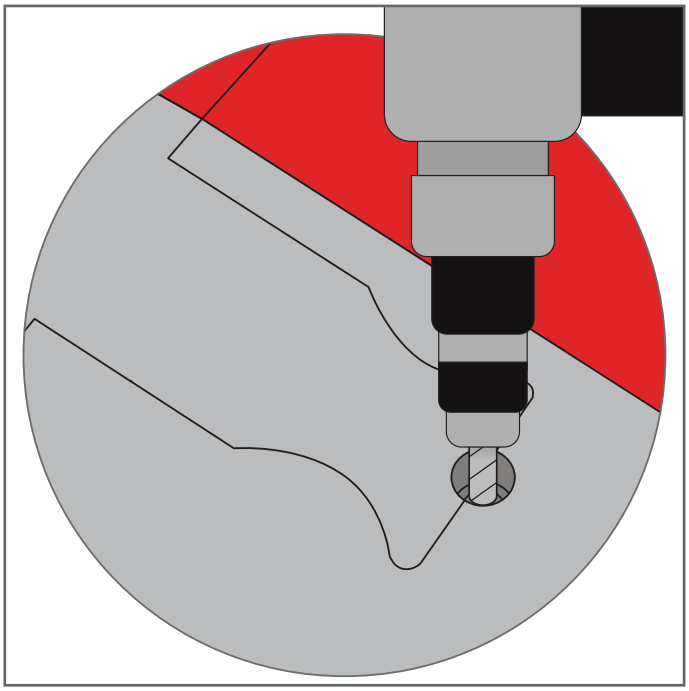
Bolt Down Connector Instructions

Step 5 - Secure the Installation

Using an impact wrench fitted with a 10 mm socket, tighten the concrete bolt until the connector is firmly secured to the floor surface.

Recommended concrete bolt length: **75-100 mm.**

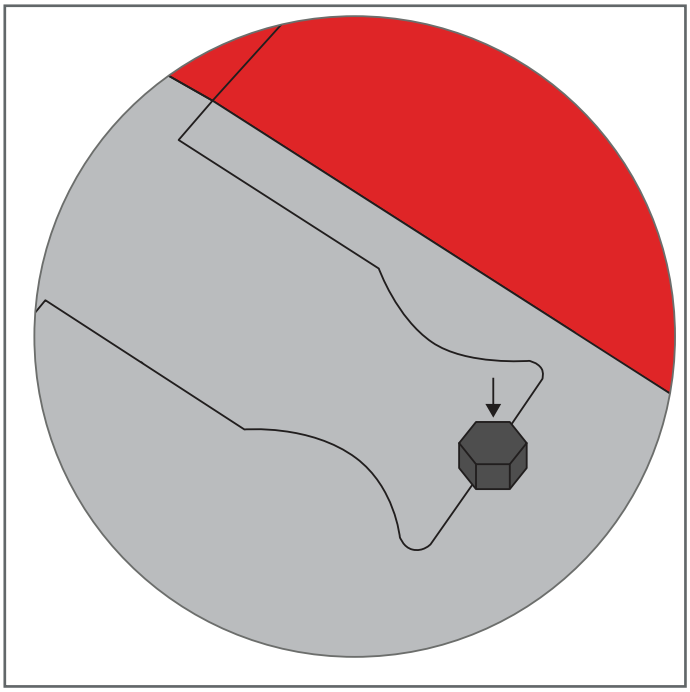
Important: *Tighten securely but do not overtighten, as excessive torque may damage the fixing, substrate, or connector.*



Installation Check

After Installation:

- Confirm the CableGuard connector is securely fixed to the floor.
- Verify there is no movement between the connector and substrate.



Product Support

For technical assistance, replacement parts, or installation advice, please contact:

+44 (0)1592 655 725

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Disclaimer

CableGuard products must be installed in accordance with these instructions and applicable local regulations. Incorrect installation, misuse, or modification of the product may result in reduced performance and could create a safety hazard. Ten 47 accepts no responsibility for damage or injury resulting from improper installation or use.

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