

Panduit IT9100-CUV6

Panduit IT9100-CUV6 In-Line Cable Tie User Manual

Model: IT9100-CUV6

1. INTRODUCTION

This manual provides instructions for the proper use, installation, and maintenance of the Panduit IT9100-CUV6 In-Line Cable Tie. This product is designed for securing and bundling electrical cables and other items, particularly in outdoor environments due to its weather-resistant and UV-stabilized properties.

2. SAFETY INFORMATION

Please read and understand all safety information before using the product.

- Always wear appropriate personal protective equipment (PPE) when handling tools or materials.
- Ensure the cable tie is correctly sized for the bundle diameter to prevent over-tightening or insufficient securing.
- Avoid using damaged cable ties. Inspect each tie before use.
- Keep out of reach of children.
- Dispose of used or broken cable ties responsibly according to local regulations.

3. PRODUCT OVERVIEW AND COMPONENTS

The Panduit IT9100-CUV6 is an in-line cable tie constructed from weather-resistant, UV-stabilized nylon 6.6. It features a parallel-entry head with a plastic locking pawl for secure closure.



Figure 1: The Panduit IT9100-CUV6 In-Line Cable Tie, showing its full length and design. This cable tie is dark blue and made from durable nylon.

Key components include:

- **Strap:** The long, flexible part that wraps around the bundle.
- **Head:** The housing containing the locking mechanism.
- **Locking Pawl:** A plastic mechanism within the head that engages with the strap's teeth to secure the bundle.



Figure 2: A close-up view of the Panduit cable tie head, clearly showing the brand name and the locking mechanism.

4. INSTALLATION INSTRUCTIONS

Follow these steps to properly install the Panduit IT9100-CUV6 cable tie:

1. **Prepare the Bundle:** Gather the items or cables you wish to bundle. Ensure they are aligned and positioned as desired.
2. **Wrap the Tie:** Wrap the strap of the cable tie around the bundle, ensuring it is positioned correctly for the application.
3. **Insert the Strap:** Insert the pointed end of the strap into the opening of the cable tie head.
4. **Tighten the Tie:** Pull the strap through the head until the bundle is secured to the desired tightness. The locking pawl will engage with the teeth on the strap, preventing it from loosening. Avoid over-tightening, which can damage the bundled items.
5. **Trim Excess (Optional):** If necessary, use a cable tie tensioning tool or a pair of flush cutters to trim any excess strap protruding from the head. Trim flush with the head to prevent sharp edges.

5. OPERATING INSTRUCTIONS

The Panduit IT9100-CUV6 cable tie is designed for single-use applications. Once tightened, the locking

mechanism is permanent. To remove a cable tie, carefully cut the strap using appropriate cutting tools, taking care not to damage the bundled items.

6. MAINTENANCE AND STORAGE

6.1. Maintenance

Panduit IT9100-CUV6 cable ties require minimal maintenance. Periodically inspect installed ties for signs of wear, damage, or degradation, especially in harsh outdoor environments. Replace any compromised ties immediately.

6.2. Storage

Store cable ties in their original packaging in a cool, dry place away from direct sunlight and extreme temperatures. Proper storage helps maintain the material integrity and performance of the nylon.



Figure 3: A package containing 100 Panduit IT9100-CUV6 cable ties, illustrating how they are typically supplied for storage.

7. TROUBLESHOOTING

- **Cable tie not securing:** Ensure the strap is fully inserted into the head and pulled tight enough for the

locking pawl to engage. Check for any obstructions or damage to the locking mechanism.

- **Bundle too loose:** The cable tie may not be pulled tight enough, or the wrong size tie may have been selected for the bundle diameter.
- **Cable tie breaks during installation:** This could be due to excessive force during tightening, a defective tie, or the tie being used in temperatures below its recommended operating range.

8. SPECIFICATIONS

The following table details the technical specifications for the Panduit IT9100-CUV6 In-Line Cable Tie:

Feature	Specification
Model Number	IT9100-CUV6
Material	Weather-resistant UV-stabilized Nylon 6.6
Color	UV Dark Blue
Minimum Tensile Strength	124 lb. (552 N)
Maximum Bundle Diameter	3.94 inches (100 mm)
Minimum Bundle Diameter	0.33 inches (8.4 mm)
Length	14.1 inches (358 mm)
Width	0.350 inches (8.9 mm)
Thickness	0.065 inches (1.65 mm)
Compliance	CE, RoHS



Figure 4: Technical drawing illustrating the dimensions and specifications of the Panduit IT9100-CUV6 cable tie.

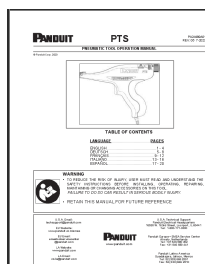
9. WARRANTY AND SUPPORT

For information regarding product warranty, technical support, or to contact Panduit customer service, please refer to the official Panduit website or contact your local distributor. Keep your purchase receipt for warranty claims.

Visit the [Panduit Store](#) for more products and information.



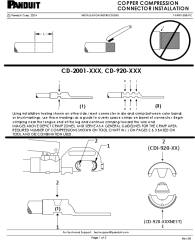
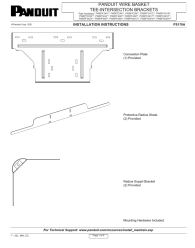
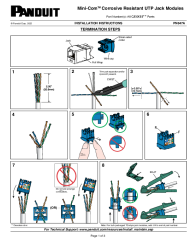
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Related Documents - IT9100-CUV6



[Panduit PTS Pneumatic Tool Operation Manual](#)

Operation manual for the Panduit PTS Pneumatic Tool, detailing its features, specifications, safety instructions, setup, operation, and troubleshooting.

	<p>Panduit Cable Ties: Comprehensive Product Selection Guide & Material Criteria</p> <p>Explore Panduit's extensive range of cable ties, including Pan-Ty®, Super-Grip®, Dura-Ty™, and more. This guide details product styles, cross-sections, material selection criteria, installation tools, and industry approvals for electrical, industrial, and networking applications.</p>
	<p>Panduit Ergonomic Cable Tie Installation Hand Tools: Comfort, Performance, and Durability</p> <p>Panduit's ergonomic series of hand-operated cable tie installation tools offer comfort, performance, and durability for production, maintenance, and construction applications. Features include improved cut-off mechanisms, low handle force, and versatile tension settings. Product line includes manual and pneumatic tools, plus accessories.</p>
	<p>Panduit Metric Standard Barrel Copper Compression Connector Installation Guide</p> <p>This document provides installation instructions and detailed tool charts for Panduit metric standard barrel copper compression connectors, including LCMA, LCMD, LCMDN, and SCMS series. It specifies compatible wire sizes, cable classes (Metric Class 2, 5, 6), Panduit tooling, and Cembre tooling for proper crimping.</p>
	<p>Panduit Wire Basket Tee-Intersection Brackets Installation Guide</p> <p>Detailed installation instructions for Panduit Wire Basket Tee-Intersection Brackets (FS178A). Covers component identification, wire basket preparation, assembly steps, and technical support contact information for Panduit products.</p>
	<p>Panduit Mini-Com Corrosive Resistant UTP Jack Module Installation Guide</p> <p>Comprehensive installation instructions and best practices for Panduit Mini-Com Corrosive Resistant UTP Jack Modules (CJE6X88**). Covers termination steps, T568A/B wiring standards, removal procedures, and proper orientation for optimal performance.</p>