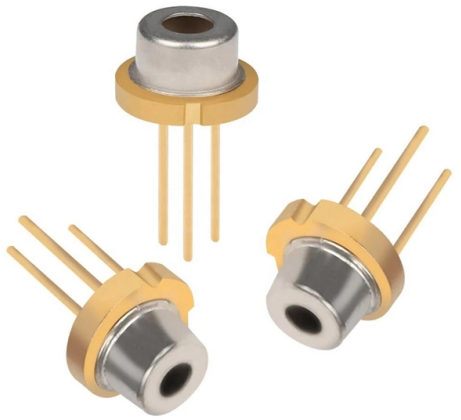
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How to straighten cable tray hanging wires



Overview

Learn the best methods to straighten wire without using a drill, including using your hands, pliers, a vice, or heat.

Key Takeaways

Straighten cable tray hanging wires by gently uncoiling, stretching, or using cable straightening tools to remove kinks without damaging insulation.Manual Straightening

For smaller quantities of cable, you can manually unroll and stretch the wires. Carefully uncoil the cable from its roll and work against its natural curve. Hold the cable at both ends and apply moderate tension, avoiding sharp bends or kinks. Repeat this along the entire length until the wire hangs straight in the tray. This method is simple, requires no special tools, and is effective for flexible cables .

Using Cable Straightening Tools

For larger or thicker cables, a cable straightening tool or wire straightener can save time and reduce strain. Feed the cable through the tool's rollers, adjusting the pressure to match the cable diameter. Pull the cable steadily through the rollers; the tool gradually removes bends and kinks, producing a smooth, straight line suitable for cable trays .

Gravity Method

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For flexible cables, you can also use gravity to straighten. Suspend the cable vertically from a secure point above the tray, allowing its own weight to pull it straight. This method works best for lightweight or medium-gauge cables and avoids mechanical stress on the insulation .

Heat-Assisted Straightening (Optional)

For rubber-insulated cables, a gentle heat method can help relax the material. Submerge the cable body (not the ends) in warm water (60–80°C) for a few minutes, then pull and smooth it with your hands while still warm. This softens the insulation temporarily, making it easier to straighten without kinking .

Tips for Best Results
• Avoid sharp bends to prevent insulation damage.

• Use gloves to protect hands when pulling or handling heavy cables.

• Check for insulation integrity before and after straightening.

• Use cable rollers or payoff systems for long runs to maintain tension and prevent re-coiling .

• Plan cable layout in the tray to minimize unnecessary bends and ensure a neat, professional appearance . By combining these methods, you can achieve safe, straight, and professional cable tray installations while preserving cable integrity and improving workflow efficiency.

Article Content

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My uneducated opinion: This happened because it''s a low quality cable and the strands in the cable are all twisted strange. The tv

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I disliked having to stretch out the cable just to have it spring right back. This fast and easy fix worked very well and it

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There are several threaded rod hanging options that can save you time and money. Also

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Fast installation with dependable support. Everything you need to build a cable management system, including Cablofil wire mesh

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