

How to install quick-connect fittings for cable trays

Article Overview

Quick-connect fittings for cable trays snap, slide, or lock together, allowing fast, secure installation with minimal tools.

Preparation

- o Select the correct fitting for your cable tray system, ensuring compatibility with the manufacturer's brand and tray type .
- o Measure and mark the cable using the Cut Gauge Line on the Quick-Connect(R) body to determine the proper trim length .
- o Stretch the cable tight and trim it at the marked point to ensure a precise fit .
- o Lubricate protection seals with silicone spray to ease installation and protect long-term performance .

Installing the Fitting

- o Install the Hanger Bolt first: Drill a pilot hole (typically 7/64" or 7/32" for 3/16" fittings) into the mounting post. Drive the Hanger Bolt into the post until the threaded section protrudes about 1 inch .
- o Attach the Quick-Connect(R) body: Insert the cable fully into the fitting; the jaws will automatically lock onto the cable .
- o Adjust tension: Use the turnbuckle or tension adjustment fitting to achieve the desired cable tension. For surface mount or jaw turnbuckle fittings, set the turnbuckle in mid-position before installation for optimal flexibility .
- o Secure the lock-nut: Spin the lock-nut against the swivel component to prevent loosening, then tighten with wrenches to the final tension .
- o Check the jaws: Ensure the jaws are fully seated and gripping the cable securely. Tap the cable line with your palm several times if necessary to confirm proper engagement .

Tips and Safety

- o Install fixed-style end fittings first before attaching adjustable tension fittings to simplify alignment .
- o Do not attach the Hanger Bolt with the Quick-Connect(R) fitting already on, as this can damage the fitting .
- o Use appropriate tools such as sockets, wrenches, or electric drills for pilot holes and bolt tightening .
- o Verify load capacity and spacing of supports to ensure the cable tray system can safely hold the cables .
- o Follow manufacturer instructions for any specific variations in fitting types or installation sequences . By following these steps, quick-connect fittings can reduce installation time by 30-50% compared to traditional bolted connections, while maintaining a secure and durable cable tray system .



How to install quick-connect fittings for cable trays

Cable trays and cable ladders are indispensable components in modern electrical wiring

Cable tray fittings are essential components used to connect, support, and transition cable trays through

Installation Instructions for the Swageless Quick-Connect® Cable Hardware. Using the Cut Gauge Line
Use the Cut Gauge Line on

Use this guide to learn the most effective installation practices when installing Cablofil tray. Each example of bends and tee's clearly

Looking to improve your cable organization and create a clean, safe workspace? In this

The Engineering Galaxy - Engalaxy Full guide of cable tray installation and sizing - Part 1

The Hanger Bolt needs to be installed prior to the Quick-Connect® body. DO NOT attempt to install the Hanger Bolt with the Quick

Learn common methods for connecting cable trays safely and efficiently. Our guide covers

General Installation Guidelines: For more information refer to the latest NEMA standards and local building codes. Trough tray field

Learn how to install cable trays correctly. Get the ultimate step-by-step guide on setting up a seamless and reliable

Before any permanent work will proceed, pre-inspection of all materials, tools and access for installation to be carried

Installation Instructions for the Swageless Quick-Connect® Cable Hardware. Use the Cut Gauge Line on the Quick-Connect® body to

Looking for a faster, easier, and more reliable way to connect mesh cable trays? Discover

Learn everything about cable tray installation with our complete guide. Discover types, steps, and safety tips for

Before installing a Quick-Connect® Surface Mount Turnbuckle or Jaw Turnbuckle fitting, adjust the length of the turnbuckle so that

In the electrical wiring of buildings, a cable tray system is used to support insulated

How to install quick-connect fittings for cable trays

Web: <https://bssoda.pl>

