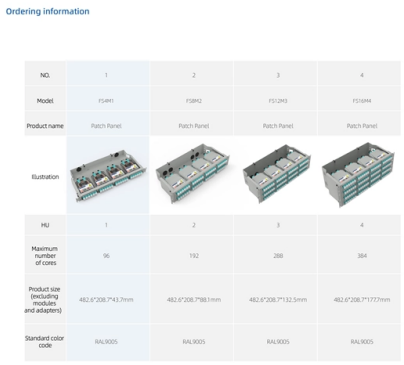
# Cable tray line laying roller


Ordering information

| NO. | 1 | 2 | 3 | 4 |
|---|---|---|---|---|
| Model | FS4M1 | FS8M2 | FS12M3 | FS16M4 |
| Product name | Patch Panel | Patch Panel | Patch Panel | Patch Panel |
| Illustration | | | | |
| HU | 1 | 2 | 3 | 4 |
| Maximum number of cores | 96 | 192 | 288 | 384 |
| Product size (excluding modules and adapters) | 482.6*208.7*43.7mm | 482.6*208.7*88.1mm | 482.6*208.7*132.5mm | 482.6*208.7*177.7mm |
| Standard color code | RAL9005 | RAL9005 | RAL9005 | RAL9005 |

## Overview

Heavy Duty Straight Line Cable Laying Roller is a robust, precision-engineered tool designed for smooth and efficient cable handling.

## Key Takeaways

Cable tray laying rollers are devices designed to guide and support cables during installation, reducing friction and protecting the cable sheath.Purpose and Function

Cable tray laying rollers are used to facilitate smooth and safe cable installation along cable trays, ducts, or conduits. They help reduce pulling forces, protect sensitive cable sheaths, and allow cables to navigate corners, edges, or vertical shafts without damage, making them essential in industrial, commercial, and tunnel installations .

Types and Materials
• Roller Body Materials: Plastic, aluminum, steel, or high-strength nylon, often with ball bearings for smooth rotation .

• Frame Materials: Galvanized or powder-coated steel for durability and corrosion resistance .

• Design Variations: Some rollers have a rotatable 4th roller or are prepared for a 5th roller to facilitate cable insertion and quick release . Adjustable rollers allow for different cable diameters and tray widths.
Specifications
• Cable Diameter Capacity: Typically up to 140–200 mm depending on the model .

• Load Capacity: Ranges from 250 kg to 600 kg for heavy-duty rollers .

• Roller Diameter: Varies by design, often between 75 mm and 241 mm .

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• Clearance and Width: Clearance under the roller is usually around 100 mm, with frame inner widths from 160 mm to 170 mm .
Applications
• Industrial and Plant Engineering: For laying heavy energy cables and sensitive data lines .

• Tunnel Systems and Shafts: Specialized rollers like the Kabeljet® are designed for vertical or confined spaces .

• Underfloor Installations: Flatbed casters and adjustable rollers simplify cable pulling in commercial buildings .
Additional Features
• Quick-release mechanisms for easy cable insertion.

• Mounting brackets compatible with T-beams, tubes, or cable ducts.

• Accessories for single-operator use to safely unwind and guide cables . Cable tray laying rollers are a critical tool for efficient, safe, and damage-free cable installation, offering flexibility in material, size, and mounting to suit various project requirements .

## Article Content

Amazon : Cable Laying Roller

Cable Tray Pulley, 65mm Adjustable Wire Pulling Roller with Nylon Wheel, Stainless Steel Clamp, Cable Guide for Electrical

Best Cable Rollers for Cable Tray and Wiring Projects

When wiring across trays, conduits, or outdoor layouts, choosing the right cable roller can

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Cable Tray Rollers are a great addition to any electrical contractor''s tool kit, as they can be utilised in the

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TOYU steel cable roller offers reliable cable management solutions for straight line applications. These

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Straight Line Rollers

The SLR6 is an economical yet versatile pipe/cable roller for use in trenches, on cable tray or bolted down

Cable Laying Roller Helper Adjustable Clamp Pulley

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RTK Cable Roller Wire Rope Plate Laying Roller Cable

1. The RTK Cable Roller Wire Rope Plate Laying Roller, an essential tool designed for efficient and

Heavy Duty Straight Line Cable Laying Roller

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Features and benefits Heavy duty folded frame straight line roller Aluminium diablo roller with 78mm radius Sealed roller bearing and

Carroterr Heavy Duty Cable Tray Laying Roller, Cable Tray Roller ...

The roller design features an axle that rolls with the wire, protecting it from wear. The adjustable clamp is easy to handle, allowing for

Toyu Cable Roller Wire Rope Plate Laying Roller Cable Tray Rollers ...

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Built for use in construction, utility, and telecom applications, it ensures reliable performance during cable

10″ Cable Tray Roller

iTOOLco''s 10″ Cable Tray Rollers install in three easy steps and are compatible with more construction

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When laying cables in industrial and plant engineering as well as tunnel systems, the cable has to be

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The right cable tray rollers streamline wire installation, protect cables from wear, and

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