

How many meters is the long-span cable tray in Norway

Article Overview

Long-span cable trays in Norway can span up to 12 meters (approximately 12.2 meters) without intermediate supports.

Typical Span Lengths

Long-span cable trays are designed to carry electrical and instrumentation cables over extended distances without requiring frequent supports. In Norway, as in other industrial and commercial applications, these trays typically cover spans of 6 meters, 9 meters, or 12 meters, with some specialized aluminum trays reaching 12.2 meters (40 feet) per straight section . This reduces the number of supports, bolts, and columns needed, saving installation time and costs .

Materials and Design Considerations

- o **Materials:** Common materials include galvanized steel, aluminum, stainless steel, and fiberglass composites, chosen based on load, corrosion resistance, and environmental conditions .
- o **Support Requirements:** Standard cable trays require supports every 1.5-3 meters, whereas long-span trays are engineered to handle heavier loads and maintain sag limits over 6-12 meter spans .
- o **Applications:** Long-span trays are ideal for industrial plants, offshore installations, roadway crossings, and pipe bridges where long straight paths are needed .
- o **Safety and Standards:** Installation follows standards such as IEC 61537 to ensure safe working loads and minimal deflection .

Advantages of Long-Span Trays

- o Fewer supports and faster installation
- o Clear floor space and reduced trip hazards
- o Efficient cable management with easier maintenance access
- o Cost savings on materials and labor due to reduced support requirements

In summary, long-span cable trays in Norway typically range from 6 to 12 meters, with specialized aluminum trays reaching 12.2 meters, providing efficient, safe, and cost-effective solutions for long cable runs in industrial and commercial settings .

Cable tray length is selected based on the load to be supported, the distance between the supports (also



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referred to as the span),

Step 2: Choose Tray Type and Width For heavy power cables or long spans, ladder trays typically perform best. For

FDG CABLE TRAY FDG Cable Tray is designed to continuously support cable systems including; Power, Data, and Audio Visual. A

One industry standard that is strongly recommended is that only one cable tray splice be placed between support spans and, for long

The length of the ordinary bridge is about 2M, and the length of the large span bridge can be customized, 3m, 6m, 8m, 12m. The long

Proper tray and ladder sizing ensures safe, efficient, and maintainable electrical installations in all engineering applications. IEC

We will first explain standard cable tray dimensions used across the industry, then examine how dimensions vary by

What are long span cable trays? Learn how they reduce support points, save costs & suit stadiums, factories. UK

Tray Type Different types of cable trays have varying load-bearing capacities. Solid-bottom

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standard lengths of 10, 12, 20 and 24 feet rung spacing of 6 (150mm), 9 (225mm), 12 (300mm), and 18 inches (450mm) Other tray

The Long Span System is used where long support spans are required. Our h versions show a load rating of 20C according to NEMA.

This guide covers cable ladder systems, cable tray systems, channel support systems and associated supports intended for the

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LENGTH: The length of standard straight sections is 3 m or 6 m. 9.1 m and 12.2 m long span tray are now also available. Non

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