

Specifications and Dimensions of Anti-corrosion Cable Tray Nuts

Ordering information

NO.	1	2	3	4	5	6
Model	SP120H	SP120H2	SP120H4	SP120H5	SP120H2	SP120H4
Product name	Patch Panel	Patch Panel	Patch Panel	Patch Panel	Patch Panel	Patch Panel
Illustration						
NO.	1	2	3	4	5	6
Maximum number of cores	144	288	576	144	288	576
Product size (including modules and adapters)	482.0*600*144 mm	482.0*600*288 mm	482.0*600*576 mm	482.0*600*144 mm	482.0*600*288 mm	482.0*600*576 mm
Standard color code	RAL9005	RAL9005	RAL9005	RAL9005	RAL9005	RAL9005
Inventory	✓	✓	✓	✓	✓	✓

Overview

When fitting cable trays and their accessories, the products are cut on site to create changes of direction, adjust sections, etc.

Key Takeaways

Anti-corrosion cable tray nuts are typically made of stainless steel (grades 304 or 316) or corrosion-resistant coated metals, designed to match standard cable tray bolts and comply with international standards for durability in harsh environments. Material and Corrosion ResistanceAnti-corrosion cable tray nuts are generally manufactured from stainless steel 316 (ASTM Grade 316 / BS EN 10088-2 Grade 1.4401), which provides excellent resistance to rust, chemicals, UV, water, and high temperatures, making them suitable for offshore, marine, chemical, and industrial applications.

For carbon steel nuts, hot-dip galvanized zinc coating is applied to achieve corrosion protection, with a typical coating thickness of 0.065 mm (2.55 mils) per side for outdoor or highly corrosive environments.

Dimensions and Threading

Cable tray nuts are designed to match the corresponding fixing bolts supplied with the cable tray system. While specific dimensions vary by manufacturer and tray size, standard nuts are typically M6, M8, M10, or M12 to fit the common bolt diameters used in cable tray assemblies. The nuts are usually hexagonal for easy tightening with standard tools and are compatible with perforated tray holes (commonly 20 mm x 7).

5 mm clearance) for secure fastening.

Standards Compliance

Stainless steel nuts: BS EN 10088-2 Grade 1. 4401 / ASTM 316
Carbon steel nuts: Hot-dip galvanized per ASTM A123/A123M
Cable tray compatibility: NEMA VE-1 or equivalent IEC standards
These standards ensure mechanical strength, interchangeability, and long-term durability in both indoor and outdoor installations.
Applications
Anti-corrosion cable tray nuts are used in conjunction with bolts to secure straight sections, bends, tees, and couplers of cable trays.

They are suitable for ladder, channel, and perforated tray types, and are designed to withstand tropical climates, salt-laden atmospheres, and chemical exposure.

Summary

Material: Stainless steel 304/316 or hot-dip galvanized carbon steel
Thread sizes: M6, M8, M10, M12 (hexagonal)
Standards: BS EN 10088-2, ASTM 316, ASTM A123/A123M, NEMA VE-1
Corrosion protection: Stainless steel or zinc coating
Applications: Outdoor, marine, chemical, industrial, and high-humidity environments
These nuts ensure secure, durable, and corrosion-resistant fastening of cable trays in demanding installations.

Article Content

GUIDE CABLE TRAYS TECHNICAL

When fitting cable trays and their accessories, the products are cut on site to create changes of direction, adjust sections, etc. Damage can also occur during handling; as a result, both the

12-SDMS-06

Cable tray shall be fabricated either from corrosion resistant metal such as aluminum alloy or carbon steel with corrosion resistant coating such as zinc coatings as specified in the data schedule.

Anti-corrosive Cable Trays Selection: A Comprehensive

In this article, we will discuss how to make the best choice for anti-corrosive cable trays across various corrosion levels to guarantee the safety,

Cable Tray Bolts & Flange Nuts

Cable tray/roofing bolts complete with serrated flanged nuts. No. 2 pozi drive combo heads for fast installation. M6 (6mm thread diameter). Serrated flange nuts which

CABLE TRAYS

Since the manufacturing processes for wiremesh, metal cable tray or small accessories are slightly different, it is interesting to make a comparison in order to observe which products or processes

Product Catalogue Cable Management Solutions

Cable ladder is a more reliable, less expensive solution for supporting cable, which is easier to maintain, proves more adaptable to changing needs, and is more suitable for harsh and corrosive environments.

PRODUCT CATALOGUE

Our products are all illustrated for easy identification, and detailed by type descriptions, type names and article numbers. We have also included the weights in order that considerations can be made for

Cable Tray Technical Guide A practical guide to product selection and ...

Cable tray installed in a hazardous location must contain only those cables that are appropriate for this type of environment as defined in Chapter 5 of the NEC.

Stainless Steel Cable Tray

Stainless steel cable trays are suitable for laying cables in chemical and purification plants, refineries, offshore plants, oil and gas tunnels and places where hygiene is of great importance.

TECHNICAL SPECIFICATION

The connection between two sections of the FRP cable trays or a section of cable tray with associated accessories shall be done by bolting only. Nuts, bolts and washers shall be of stainless steel SS 304.

cable tray technical specifications cable tray

standards & specifications light & medium duty cable tray sizes accessories do not have a return edge. Also light duty tray of widths 150mm and under do not require the use of For sizes that do require a pair

Cable Tray Technical Guide A practical guide to product selection and ...

A practical guide to product selection and installation This guide for engineers and installers has been developed by ABB as a practical reference regarding cable tray characteristics, installation, and

Roofing Bolts & Square Nuts Cable Tray Bolts, Roofing Bolts Zinc ...

Grade 8.8 High Tensile Carbon Steel Commonly used with drop in anchors for suspending cable trays from ceilings or can be cut to a required length and used with chemical resin.

Wire Mesh Tray Technical Guide

Cablofil wire mesh tray and supports are designed to support any cable load allowed by the NEC when supports are spaced on 8" spans. Only the heaviest cables (750 kcmil multiconductor power or

CableTray Book English

T&B channel tray systems are fabricated from a corrosion-resistant metal (low-carbon steel, stainless steel or an aluminum alloy) or from a metal with a corrosion-resistant finish (zinc or epoxy). The

Cable Tray Bolts with Flange Nuts

Specifically designed to provide a rapid and secure fixing when erecting cable trays. The fixed washer to flange nut prevents it from falling into the socket driver.

GUIDE CABLE TRAYS TECHNICAL

In accordance with its continuous improvement policy, Legrand reserves the right to change the specifications and illustrations without notice. All illustrations, descriptions and technical information

CABLE TRAY

SFSP produces a variety of products ranging from cable management systems; cable trays, cable ladders, basket trays, trunkings and support systems, to mechanical cladding fixations, steel lintels

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

