Swedish Outdoor Cable Tray Specifications



Overview

Our Range of Cable Trays and Accessories | Nordic Wire TrayExplore our range of cable trays and accessories for the X-Tray series. Wire trays, data racks.

Key Takeaways

Swedish outdoor cable trays are designed for durability, corrosion resistance, and flexible installation, with materials and designs tailored to specific environmental conditions.

Material Selection

Outdoor cable trays in Sweden are typically made from hot-dip galvanized (HDG) steel, aluminum, stainless steel (316 SS), or fiberglass-reinforced plastic (FRP).

HD

G steel offers excellent mechanical strength at a lower cost, while 316 stainless steel provides superior resistance to saltwater, chemical exposure, and harsh industrial environments.

FR

P is non-conductive and highly resistant to a wide range of chemicals, making it ideal for sensitive electronic installations or areas with high moisture and corrosive exposure.

© 2026 KENHARDT OPTICAL NETWORKS - All rights reserved

Environmental Considerations

When specifying outdoor cable trays, consider the climate and exposure: Coastal/Marine: High salt content requires stainless steel or FRP. Industrial zones: Acidic rain, chemical fumes, and high humidity favor stainless steel or FRP. Urban or Arctic environments: Temperature extremes and UV exposure may influence material choice.

Tray Types and Design

Common tray types include: Ladder trays: Provide excellent ventilation and support for power cables over long spans. Perforated trays: Offer a compromise between ladder and solid trays, suitable for small-diameter power or control cables. Solid-bottom trays: Protect sensitive cables from debris and provide better EMI shielding.

Swedish suppliers like Nordic Wire Tray offer flexible systems (X-Tray) that can be custom-cut, bent, and adapted to project-specific layouts, reducing installation time and minimizing the number of fasteners required.

Installation and Accessories

Outdoor cable trays are designed for easy assembly: Standard fasteners often include M8 bolts, requiring minimal tools (bolt cutters and a 13 mm wrench). Accessories include elbows, tees, reducers, angle brackets, and attachment plates for wall, floor, or ceiling mounting. Modular systems allow for custom lengths and bends, accommodating complex routing without compromising structural integrity.

Load and Mechanical Considerations

Tray spacing and support intervals are critical for mechanical load capacity. Swedish systems like X-Tray offer longer bracket spacing, reducing the number of supports and installation cost. Consider cable weight, environmental loads (snow, wind), and potential thermal expansion when designing outdoor installations.

Supplier Options

Nordic Wire Tray (NWT): Offers a wide range of wire trays with multiple surface treatments, customizable lengths, and high-quality Swedish manufacturing.

Swedish Cable Trolleys A

B: Provides mobile power supply solutions and cable trolleys suitable for outdoor and industrial applications, with a long history of Swedish engineering. Ahlsell: Supplies standard cable ladders and trays with accessories for industrial and commercial projects.

© 2026 KENHARDT OPTICAL NETWORKS - All rights reserved

Summary

For Swedish outdoor cable tray installations, select materials based on environmental exposure, choose the appropriate tray type for cable protection and ventilation, and leverage modular, customizable systems for efficient installation. Stainless steel and FRP are preferred for harsh conditions, while HDG steel and aluminum are cost-effective for general outdoor use. Suppliers like NWT and Swedish Cable Trolleys AB provide high-quality, flexible solutions tailored to Swedish standards and climate conditions.

Article Content

Our Range of Cable Trays and Accessories | Nordic Wire Tray

Explore our range of cable trays and accessories for the X-Tray series. Wire trays, data racks, brackets, mounting, tools, accessories, and hygienic mounting.

Cable trays

We offer a wide range of cable tray systems to support tubing, electrical cables and instrumentation. Our cable trays are produced in fit for purpose materials like

Cable trays | Ahlsell – We make it easier to be professional

Hot-dip galvanised cable ladder with closed, hexagonal side profiles and flat, perforated rungs. The ladders are intended for installations in environments where high requirements are set for strength

FTE cable tray system

The material is lightweight and does not rust. The design delivers HSE improvements when lifting and fitting tray and support equipment. The cable trays are available in five different resin materials, each

Selecting Outdoor Cable Tray: A Project Engineer''s Guide

Our engineer''s guide helps you choose the right outdoor cable tray based on environment, load, and corrosion resistance. Select HDG, Aluminum,

Nordic Wire Tray | Smart Cable Trays and Cable Management

Our product catalogue NWT Nordic Wire Tray becomes Nordic Wire Tray. New name, new look, same Nordic quality We continue to drive innovation in cable management solutions, with complete cable

Thomas & Betts

© 2026 KENHARDT OPTICAL NETWORKS - All rights reserved

Cable tray wiring systems offer significant advantages over conduit pipe and other wiring systems. Cable tray is less expensive, more reliable, more adaptable to changing needs and easier to maintain.

GUIDE CABLE TRAYS TECHNICAL

NEMA VE 1-2017 Specifies requirements for metal cable trays and associated fittings designed for use in accordance with the rules of Canadian Electrical Code, Part I and the National Electrical Code®

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.

HEAVY DUTY CABLE TRAY

HEAVY DUTY CABLE TRAY TECHNICAL SPECIFICATIONS □ Available in standard height from 40mm up to 110mm □ Available in standard width from 50mm to 600mm □ Available in standard

LEGRAND CABLE TRAYS TECHNICAL GUIDE

Not all cable trays are equivalent. The mechanical and electrical characteristics, tests, certifications, overall quality management, recommendations mentioned in this technical guide only apply to our

Cable Tray

Cable Tray Cable trays are mechanical support systems that provide a rigid structural system for electrical cables, raceways, and insulated conductors used for electric power distribution, control,

Technical information

All outdoor cable tray installations should factor in wind loads, especially the pressure exerted on side rails of ladder trays. There have also been instances of strong winds lifting covers off trays, which

PVC cable trays for electrical installations | Canalplast

Cable duct for indoor and outdoor Trunking for installation direct to the wall, to the floor or hanging The PVC plastic cable trays produced by Canalplast have the advantage of being extremely versatile,

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

© 2026 KENHARDT OPTICAL NETWORKS - All rights reserved

Cable Tray Technical Guide 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

Cable tray manual

INTRODUCTION The B-Line series Cable Tray Manual was produced by our technical staff. We recognize the need for a complete cable tray reference source for electrical engineers and designers.

Cable Tray SHIB NAL

Cable trays are not raceways, but they are treated as a structural component of a facility''s electrical system. Cable trays are a part of a planned cable management system to support, route, protect and

Cable Tray Specifications and Sizes | PDF

The document describes specifications for different types of cable trays, including outside returned flanged cable trays in various standard sizes, light duty and heavy duty "U" shaped cable trays with

Related Video Reference

This video was associated with the source search result. Verify technical details against current product documentation and project requirements.

Contact Us

Continue your research online:

Website: https://kenhardtprimary.co.za
Technical inquiry: https://kenhardtprimary.co.za/project-desk.html
African project coordination: Century City, Cape Town, Western Cape, South Africa

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

© 2026 KENHARDT OPTICAL NETWORKS - All rights reserved