Production of long-span cable trays in North Africa

Overview

Cabstrut Cable Reticulation Product RangeLCT Light Duty Cable tray straights and standard accessories are manufactured from pre-galvanised steel to SANS 35.

Key Takeaways

Large-span cable trays in North Africa are produced using high-strength steel, stainless steel, and fiberglass, designed for heavy-duty industrial and commercial applications with long unsupported spans.

Overview of Large-

Span Cable TraysLarge-span cable trays are engineered to support heavy cable loads over long distances without intermediate supports. They are widely used in power plants, tunnels, subway systems, petrochemical facilities, and large industrial projects. These trays are designed for high load capacity, corrosion resistance, and durability, ensuring safe and reliable cable management in demanding environments.

Materials and Manufacturing

Galvanized Steel and Stainless Steel: Most large-span trays are fabricated from hot-dip galvanized steel or stainless steel, providing excellent structural strength and resistance to corrosion. Fiberglass/GRP/FRP: Some manufacturers, like EFG Composites, produce trays from pultruded fiberglass reinforced plastics, offering chemical resistance and reduced weight while maintaining high load capacity. Finishes: Common finishes include hot-dip galvanization, powder coating, painted steel, and stainless steel grades 202, 304, or 316.

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Manufacturing Capabilities

Modern production facilities in Africa employ CNC bending machines, laser cutting systems, automatic punching lines, and robotic welding arms to ensure precision and consistent quality. Manufacturers also produce a wide range of accessories, including bends, elbows, tees, reducers, and junction boxes, allowing fully customized cable tray systems. Key Manufacturers in AfricaNed-Tech Cable Tray Ltd (Nigeria): Offers galvanized, ladder, perforated, and solid-bottom trays suitable for industrial and commercial projects, with a growing presence across Africa and the Middle East.

Hutaib Electrical (South Africa): Produces ladder, wire mesh, basket, raceway, and perforated cable trays, along with accessories, with finishes including hot-dip galvanization, powder coating, and stainless steel.

EF

G Composites: Specializes in fiberglass cable trays for corrosive environments, providing ladder and perforated types with modular fittings for large-scale industrial applications. ApplicationsLarge-span cable trays are essential for heavy-duty electrical systems, particularly where long unsupported spans are required. They are commonly installed in industrial plants, commercial complexes, tunnels, and infrastructure projects, providing a reliable alternative to conduit systems and ensuring efficient cable management.

Conclusion

North Africa has access to a range of high-quality large-span cable tray manufacturers capable of producing steel, stainless steel, and fiberglass trays. These manufacturers offer customizable solutions with robust load-bearing capacity, corrosion resistance, and modular designs suitable for industrial, commercial, and infrastructure projects across the region.

Article Content

Cabstrut Cable Reticulation Product Range

LCT Light Duty Cable tray straights and standard accessories are manufactured from pre-galvanised steel to SANS 3575:2008 / ISO 3575:2005, normally grade Z275.

Processing of Large-Span Low-Voltage Cable Trays in East Africa

West Port offers corrosion-resistant cable trays, wire mesh trays, GI-slotted cable trunking, and more channels engineered for oil & gas environments in the UAE and beyond.

Processing of Large-Span Low-Voltage Cable Trays in East Africa

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Cable trays are systems that distribute bundles of insulated electrical cables from power supplies to electrical equipment, consisting of metallic trays supported from structures like walls and ceilings.

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Cable tray

ABB designs and manufactures cable tray systems, including perforated tray, cable ladder, channel tray and strut (metal framing), directly from production facilities in Canada and Saudi Arabia.

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At Advanced Strut, we specialise in providing high-quality metal cable trays designed for the efficient support of all cable and pipe installations. Our comprehensive range includes both cable ladders and

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Large Span Cable Trays Lay Heavy Cables in Industries

Large span cable trays can be divided into ladder style, channel style, perforated style with galvanized, powder coated surface to resist corrosion. They are widely used in heavy corrosive environment to

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

Procurement of Large-Span Cable Trays in North Africa

Procurement of Large-Span Cable Trays in North Africa CABLE MANAGEMENT SYSTEMS CABLE TRAYS & ACCESSORIES We manufacture a wide range of products capable of providing the

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

Cable Trays

Cable trays are more than just a cable management system; they are an essential component for any robust and secure electrical infrastructure. From enhanced organization and accessibility to improved

Chapter 14 Cable Support systems

IEC61537-2004 If full details of the cabling layout are available then the likely cable load can be calculated using either manufacturer''s published information or the tables of Cable Weights and

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