

# Cable tray production in Tuvalu



## Overview

Our company is located in Denizli/Turkey and continues its success in cable production and cable machine production rapidly and progresses more and more each day.

## Key Takeaways

Tuvalu's cable tray construction projects primarily support the Tuvalu Vaka submarine cable and medium/high voltage electrical systems, enhancing digital connectivity and power distribution.

## Tuvalu Vaka Submarine Cable Project

The Tuvalu Vaka cable is the first international subsea cable connecting Tuvalu, linking the capital Funafuti to the Bulikula cable system, part of Google's Pacific Connect initiative. This project, valued at approximately USD 56 million (AUD 80 million), is fully grant-funded by Australia, the United States, New Zealand, Taiwan, and Japan, with Australia contributing up to USD 37 million. The cable system contains four fiber pairs and is designed to provide high-speed, reliable internet connectivity, bridging the digital divide and supporting economic development, education, healthcare, and disaster management in Tuvalu.

The project involves land-based cable tray installations in Funafuti to safely route and protect the submarine cable as it transitions from the landing station to local infrastructure. These cable trays are critical for organizing, supporting, and safeguarding the fiber optic cables, ensuring operational reliability and resilience against environmental factors.



## Medium and High Voltage Cable Tray Installations

Tuvalu also implements medium and high voltage cable tray systems for electrical distribution and industrial applications. These trays are designed to: Support low, medium, and high voltage cables in various configurations Provide fireproofing and climate-resilient protection for electrical infrastructure Facilitate safe cable pulling, maintenance, and system expansion Enhance system reliability and operational efficiency in residential, commercial, and industrial settings The cable trays are available in stainless steel and other durable materials, tailored to meet load requirements, environmental conditions, and safety standards.

Proper installation ensures that high voltage cables are safely routed, reducing risks of electrical faults and improving the longevity of Tuvalu's power and telecommunications networks.

## Impact and Significance

These cable tray projects, combined with the Tuvalu Vaka cable, represent a strategic investment in Tuvalu's digital and electrical infrastructure. They enable: Improved internet access and digital inclusion for communities and businesses Enhanced resilience of electrical and telecommunications systems against climate and environmental challenges Support for economic growth, education, healthcare, and disaster preparedness Integration of modern infrastructure with sustainable and climate-resilient design principles Overall, cable tray construction in Tuvalu is a key component of the nation's efforts to modernize its infrastructure, ensuring safe, reliable, and efficient delivery of both power and digital connectivity.

## Article Content

tuvalu-cable-tray-production-base Manufacturer/Producer

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Tuvalu cable tray manufacturer and support factory

Being one of the leading Mild Steel Cable Tray Manufacturers in Tuvalu, we work for customer satisfaction and design and deliver the standard and customized range accordingly.

Tuvalu Lightweight Cable Tray Manufacturer

Being one of the leading Cable Tray Manufacturers in Tuvalu, we work for customer satisfaction and design and deliver the standard and customized range accordingly.

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 stainless steel, galvanized, aluminium and

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Cable Tray Manufacturers

Yongchang is one of the cable tray manufacturers and FRP Cable Tray Manufacturer, and we produce FRP cable tray with sophisticated equipment, advanced technology and complete testing equipment.

Cable Tray Market Size & Share Report, 2024 - 2032

The global cable tray market size was valued at USD 4.2 Billion in 2023 and is estimated to grow at a CAGR of over 6.8% from 2024 to 2032.

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