# What s the situation with cable trays in North Korea



## Overview

Many of North Korea''s physical Internet connections go through a line that runs from Pyongyang to China, connecting to China Unicom.

## Key Takeaways

Cable tray infrastructure in North Korea is likely limited and outdated due to chronic resource shortages, aging electrical systems, and restricted industrial modernization.

### Infrastructure Context

North Korea faces frequent blackouts, outdated infrastructure, and limited industrial modernization, which strongly affects the deployment of modern electrical systems, including cable trays for power distribution and communication networks. The country's isolation, heavy sanctions, and restricted access to global markets make importing advanced materials and equipment, such as steel or aluminum cable trays, extremely difficult. As a result, most electrical installations are likely to rely on older wiring methods or improvised support systems rather than standardized cable tray solutions.

### Likely Usage and Limitations



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Globally, cable trays are used to organize, support, and protect electrical and communication cables in industrial, commercial, and infrastructure projects. They provide benefits such as heat dissipation, easy maintenance, and structural support. In North Korea, however, the combination of limited industrial capacity, scarce materials, and low mechanization suggests that ladder-type, perforated, or wire mesh trays are probably rare and mostly confined to critical state-run facilities, such as power plants, military installations, or major industrial complexes.

### Material and Technology Constraints

Modern cable trays are typically made from steel, aluminum, or fiberglass, often with corrosion-resistant coatings for durability. North Korea's restricted access to these materials and modern manufacturing technologies likely limits the use of high-quality metal trays. Any existing cable tray systems may be locally fabricated with lower-grade steel or repurposed materials, which could compromise structural integrity and safety.

### Implications

The limited availability and quality of cable trays in North Korea likely contribute to inefficient power distribution, higher maintenance needs, and increased risk of electrical faults. This aligns with reports of frequent blackouts and outdated infrastructure across the country. While global trends show rapid growth in cable tray adoption for industrial and renewable energy projects, North Korea's economic and political isolation prevents similar modernization.

In summary, North Korea's cable tray infrastructure is minimal, outdated, and concentrated in essential state facilities, reflecting broader challenges in industrial modernization, material scarcity, and restricted access to global technology.

## Article Content

North Korea''s Energy Sector

North Korea suffers from chronic energy shortages. Rolling blackouts are common, even in the nation''s capital, while some of the poorest citizens receive state-provided electricity only once

Cable Tray System

Seo Young Industrial''s cable tray uses a boltless tray type in which an integrated joint is inserted and fastened with a latch on the outside, providing

Internet in North Korea

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Applications of galvanized cable trays in North Korea

Here are the top six industrial applications where metal cable trays prove invaluable. A GI cable tray (Galvanized Iron Cable Tray) is a structural system that protects, routes, and supports electric wires

South Korea Cable Tray Supports Market: Key Highlights

Segment Insights: The market exhibits robust growth in industrial and commercial sectors, with metallic cable tray supports dominating due to their durability and load-bearing capacity.

Cable Tray Market | Global Market Analysis Report

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North Korea

EXECUTIVE SUMMARY The government, through brutality and coercion including executions, physical abuse, enforced disappearances, and collective

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Safely Installing, Maintaining and Inspecting Cable Trays

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July 2025 North Korea Briefing

His major publications include Tourism in North Korea (2019, in Japanese), the third edition of Introduction to North Korean Studies (2024, in Japanese), and Understanding the Situation in North

North Korea news: Lastest updates from inside the isolated "Hermit ...

North Korea launched multiple short-range ballistic missiles toward the sea, South Korea''s military said, the latest in a series of weapons demonstrations by Pyongyang this year.

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