



**ZTP Thermal & Power**

# **China Unicom Optical Cable Backbone Construction**



**MPO-MPO** Low Smoke Halogen  
Free Sheath

**Multimode 10 Gigabit 12 pole OM4**

**Insertion loss <0.35dB Return loss >50dB**





## Overview

---

Recently, Hengtong Optic-Electric and China Unicom launched the construction of China's first long-distance, ultra-low-loss G. Blown microduct cables offer advantages such as a slim diameter, lightweight structure, and convenient. During May 9 - 11, "Optical Fiber Changes the World & 50 Anniversary of the Invention of Optical Fiber" was marked in Beijing, cosponsored by China Society for Optical Engineering and the Optical Society of America (OSA). Many industry veterans attended this event, including "the Father of Optical."



## China Unicom Optical Cable Backbone Construction

---

### Practice and Case Study on Cross-border Cable Project

Fiber Optic Cable is the first cross-border terrestrial cable directly connecting China and Pakistan. It stretches from Urumqi to Rawalpindi through the Khunjerab Pass at the China-Pakistan border. The

[Read More](#)

### Collection: Innovations and applications of China Telecom backbone

Achieve double abundant harvest for economic and social benefits. Since the launch of China Telecom's all-optical backbone network, the company has achieved significant economic and

[Read More](#)



## **Hengtong Helps China Unicom Conduct World's First Carrier-Class**

World's first carrier-class "large-effective-area fiber" land optical cable project, in which Hengtong's ultra low-loss fiber (ITU-T standard code: G.654E) was involved, has been

[Read More](#)

## **China Unicom Completes Asia Direct Cable with 1.2Tbps**

The ADC cable strengthens Asia-Pacific connectivity and sets a benchmark for international collaboration along the Belt and Road Initiative. December 23, 2024 - With the

[Read More](#)

## **China's reported construction of undersea internet cable**



Chinese state-owned telecom firms, China Telecom, China Mobile, and China Unicom, are developing a \$500 million undersea fiber-optic internet cable

[Read More](#)

## **Collection: Innovations and applications of China Telecom backbone**

A high-speed and stable communication infrastructure has been provided to Internet users by the construction of an all-optical ROADM network, which has greatly improved the operation

[Read More](#)

## **Report on China's Participation in the Construction and Protection of**

Chinese enterprises as key players in the equipment manufacturing, construction and maintenance of global submarine cables. Chinese submarine cable products and services have gained widespread

[Read More](#)



## **NCP**

The New Cross Pacific Cable System is a new generation high capacity fibre-optic submarine cable system across the Pacific Ocean directly connecting the US and Asia with landings in China,

[Read More](#)

## **YOFC assists China Unicom to complete the first global carrier class**

Following the successful completion of the first global carrier class "Large Effective Area Fiber" land cable engineering test of China Unicom, YOFC will continue to intensify its R&D efforts on G.654.E

[Read More](#)

**#chinaunicom #adc #chinaunicomglobal #cable  
#asiapacificregion , China**



?#ChinaUnicom proudly announces the successful completion of the Asia Direct Cable (#ADC), a pivotal 9,800-kilometer submarine cable system under the Belt and Road Initiative. Linking Hong Kong

[Read More](#)

## **Advance network innovation and strengthen the construction of new**

China Unicom continues to advance the construction of a government-enterprise network offering ultra-wide coverage, ultra-large bandwidth, ultra-low latency, and ultra-high reliability for an intelligent

[Read More](#)

## **Exclusive: China plans \$500 million subsea internet**

SINGAPORE, April 6 (Reuters) - Chinese state-owned telecom firms are developing a \$500 million undersea fiber-optic internet cable network that would link Asia, the

[Read More](#)



## **Collection: All-optical infrastructure innovation and application of**

China Unicom's all-optical infrastructure system architecture and network construction have achieved significant economic and social benefits. The direct economic benefits of this project

[Read More](#)

## **China Unicom and FiberHome Built First C+L Band 400G Test Network**

Over the past year, Guangdong Unicom has actively implemented the strategy of building a strong network, accelerated the construction of new information infrastructure, and continued to

[Read More](#)



## **Hengtong and China Unicom launch ultra-low-loss fiber cable**

Recently, Hengtong Optic-Electric and China Unicom launched the construction of China's first long-distance, ultra-low-loss G.654.E blown microduct cable backbone project in Gansu

[Read More](#)

## **Digitally Strengthened the Foundation of Cyber**

Adhering to the people-oriented value and fundamental logic, China Unicom accelerated the construction of high-speed, mobile, safe, and ubiquitous new infrastructure, improved the network

[Read More](#)

## **Market Report**

The fiber optics market in China has been on an upward growth path for over a decade. By the end of 1998, China had installed over one million route km of fiber

[Read More](#)



## **a "major player" in BUilding tHe CyBer sUperp**

A "major player" in Building the CyBer Superpower China Unicom shares the mission of building industrial power and strives to be a major player in building China as a cyber superpower. The

[Read More](#)

## **China Unicom's ADC Submarine Cable Into Operation, with 8 Pairs of**

With the full completion of the Asia Direct Cable (ADC) jointly built by China Unicom, China Unicom has completed the world's first live network verification of single wave 1.2Tbit/s

[Read More](#)



## **China Unicom Completes Asia Direct Cable with 1.2Tbps**

December 23, 2024 - With the successful completion of the Asia Direct Cable (ADC) project, co-built by China Unicom, the company has achieved a groundbreaking milestone in global

[Read More](#)

## **Optical fiber and cable market: This year is a "big year"**

Larger-scale procurement is on the way. Recently, the results of China Unicom's 2024 optical cable centralized procurement project were announced. 15 optical fiber and cable companies shared this

[Read More](#)

## **China plans \$500 million subsea internet cable to rival US-backed**

Reuters reports that China state-owned telecom firms are developing a \$500 million undersea fiber-optic internet cable network that would link Asia, the Middle East and



Europe to rival a

[Read More](#)

## **YOFC assists China Unicom to complete the first global carrier class**

Special technical team has been established to follow the entire process and actively cooperated with China Unicom to promote the use of G.654.E optical fibre by the existing network in land for the first

[Read More](#)

## **China Unicom Hainan Lingshui International Submarine Cable**

International data transmission relies heavily on submarine fiber-optic cables, and landing stations are the core terrestrial facilities for these systems. They serve as critical nodes that

[Read More](#)



## **China Unicom starts 400G backbone network trials jointly with optical**

As the forerunner of G.654 optical fiber, China Unicom has started live network trials in the primary and secondary backbone networks in Shandong and Xinjiang to assess its transmission performances

[Read More](#)

## **Optical Cable Linking Myanmar, China Complete**

China Unicom has completed an optical cable line, which runs from southwest China to the Myanmar coast, the company said. The 1,500-kilometre

[Read More](#)

## **Optical Communication Development in China**



This article is an overview on optical communication development in P. R. China during the past 30 years. Based on the initial research and

[Read More](#)

## Contact Us

---

For datasheets, pricing, or custom data center infrastructure solutions, please visit:  
<https://www.zeldaterblanchephotography.co.za>