How long does it take to lay China Unicom optical cables

AI Overview

China Unicom typically completes optical cable acceptance within several months after procurement and installation, depending on project scale and testing requirements.Procurement and Bidding PhaseChina Unicom conducts centralized procurement for optical cables, often involving multiple suppliers and large-scale orders. For example, the 2024 centralized procurement project involved 65.7859 million core kilometers of optical cable, with bidding announced at the end of 2024 and bid opening in early 2025 . This indicates that the initial procurement and selection process can take a few weeks to a couple of months, depending on the number of bidders and project complexity .Installation and Field TestingAfter procurement, the optical cables are installed along designated routes. Acceptance is not immediate; it requires field testing for performance, durability, and compliance with technical standards. For instance, YOFC's LEAF optical cable deployed in Xinjiang and Shandong underwent extensive field tests for environmental adaptability, construction, and maintenance before acceptance, which was completed in June 2016 after starting research and development in 2010 and field trials in 2015 . Similarly, Hengtong's ultra low-loss G.654E fiber was tested and accepted after installation in mainline projects .Typical Acceptance DurationBased on historical examples:Small to medium-scale projects: Acceptance may take 1–3 months after installation, including testing and verification.Large-scale or new technology projects: Acceptance can take several months, as extensive field trials and performance verification are required before formal approval .Factors Affecting Acceptance TimeProject scale: Longer routes or higher cable volumes require more testing time.Cable type: Advanced fibers like G.654E or LEAF require additional performance verification.Environmental condi...

Article Content

U.S. and China wage war beneath the waves

Subsea cables, which carry the world''s data, are now central to the U.S.-China tech war. Washington, fearful of Beijing''s spies, has thwarted Chinese projects abroad and choked Big Tech''s

China Unicom to Lay Subsea Fiber Cable Linking Hong Kong and

China Unicom Group, one of China''s major telecommunications operators, has revealed plans for the construction of a nearly 3,000-kilometer-long submarine optical fiber cable, which will span from

Cambodia-Hong Kong cable to be completed by mid-2025

A project to build submarine cable network between Sihanoukville, a coastal city in southern Cambodia, and Hong Kong is to be completed in July 2025, according to regional press

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This article is an overview on optical communication development in P. R. China during the past 30 years. Based on the initial research and development during 1972-1980, China played an

China Unicom Hainan Lingshui International Submarine Cable

The construction of the Lingshui International Submarine Cable Landing Station is a key initiative by China Unicom to support the high-level development of the Hainan Free Trade Port.

China Unicom to Build Cambodia''s First State-Owned Submarine

The nearly 3,000-kilometer submarine optical fiber cable will run from Hong Kong to Sihanoukville in southern Cambodia, China Unicom announced yesterday, citing a deal it signed with

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Chinese state-owned telecom firms, China Telecom, China Mobile, and China Unicom, are developing a $500 million undersea fiber-optic internet cable network that would link Asia, the Middle

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Submarine Optical Cables Vital for International Communications The earth''s geography necessitates submarine optical cables for effective international communications. No land routes between

How Is Undersea Cable Laid?

Undersea cables can be laid at depths of over 8,000 meters (26,000 feet). This requires specialized equipment and techniques to ensure the cable is laid without damage.

What China''s Major Submarine Cable Means for U.S. Network Architects

Reuters says China''s state-owned telecom firms are building a $500 million fiber-optic internet cable network on the sea floor. China Telecommunications Corporation (China Telecom),

Undersea Fiber Optic Cables: Everything You Need to Know

In today''s interconnected world, undersea fiber optic cables play a vital role in enabling global communication and data transfer. These remarkable cables form the backbone of international

China Unicom to Lay Subsea Fiber Cable Linking Hong Kong and

This project represents Cambodia''s inaugural state-owned submarine optical fiber cable, equipped with substantial capacity for international communication. Commencing construction on

China Unicom helping link Hainan, SE Asia

"The integration of these submarine cables is set to significantly reduce network latency between Hainan and Southeast Asia by approximately 9 milliseconds.

How the US is pushing China out of the internet''s plumbing

Despite being routinely blocked from international subsea cable projects involving US investment, Chinese companies have adapted by building international cables for China and many of

Submarine communications cable

A cross section of the shore-end of a modern submarine communications cable. 1 – Polyethylene 2 – Mylar tape 3 – Stranded steel wires 4 – Aluminium water barrier 5 – Polycarbonate 6 – Copper or

China releases report on participation in construction, protection of ...

The report highlights major breakthroughs in China''s submarine cable technology in recent years and outlines the role of Chinese enterprises in building and operating international...

The Most Comprehensive Guide Of Optical Modules

Explore the ultimate guide to optical modules. Learn types, functions, performance metrics & how to choose the right module for your fiber network.

China Unicom Global Map

China Unicom Global Resources Submarine Cables APCN-2 Apollo Asia Africa Europe-1 (AAE-1) Asia Direct Cable (ADC) Asia Link Cable (ALC) Asia Pacific Gateway (APG) Asia Submarine-cable

Advance network innovation and strengthen the construction of new ...

Advance network innovation and strengthen the construction of new infrastructure China Unicom undertakes the significant mission of building a Cyber Superpower and Digital China, adhering to the

China Unicom

China United Network Communications Group Co., Ltd., doing business as China Unicom, is a Chinese state-owned telecommunications operator. Originally founded in 1994 as a wireless paging and GSM

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