Longest optical cable



Overview

Fibre-optic Link Around the Globe (FLAG) is a 28,000-kilometre-long (17,398 ; 15,119) mostly- that connects the,,, and many places in between. The cable is operated by, a subsidiary of. The system runs from the eastern coast of to Japan. Its Europe–Asia segment was the fourth longest cable in the world in 2008.

Key Takeaways

The longest optical cable in the world is the SEA-ME-WE3 (South-East Asia - Middle East - Western Europe 3) cable. It is a submarine telecommunications cable that spans approximately 39,000 kilometers and connects Southeast Asia, the Middle East, and Western Europe. This cable was completed in late 2000 and is managed by Singtel, a telecommunications company owned by the Singapore government.

Article Content

Fibre-optic Link Around the Globe

OverviewDescriptionSegments and landing pointsDisruptionsGCHQ interceptionSee also

Fibre-optic Link Around the Globe (FLAG) is a 28,000-kilometre-long (17,398 mi; 15,119 nmi) fibre optic mostly-submarine communications cable that connects the United Kingdom, Japan, India, and many places in between. The cable is operated by Global Cloud Xchange, a subsidiary of RCOM. The system runs from the eastern coast of North America to Japan. Its Europe–Asia segment was the fourth longest cable in the world in 2008.

© 2026 PROMETHEAS OPTICAL - All rights reserved

The 10 Longest Underwater Cables in the World

Meta and its consortium partners have completed the core 2Africa subsea cable system, marking a major milestone in what is set to become the world''s longest open-access fibre optic network.

The Longest (and Most Expensive!) Cable Ever

Meta is building something massive — Project Waterworth, a subsea fiber-optic cable stretching 50,000 km across five continents. That''s longer than

Meta''s undersea cable to be longer than the Earth is round

Meta (formerly Facebook) plans to build the world''s longest undersea cable that will be longer than the Earth is round. The high-capacity, fiber-optic cable that will link five continents...

Subsea network solutions | Nokia

Nokia subsea network solutions power many of the world''s longest fiber optic cables, delivering resilient and scalable transport connectivity across oceans and

7A hollow-core fiber cable just carried 51.3 Tb/s across 200 km

The Web Electronics fiber optics networking A hollow-core fiber cable just carried 51.3 Tb/s across 200 km China''s YOFC sets a new long-haul fiber record – no signal boosters required

SUBCO Designs World''s Longest Continuous Subsea Optical Path

By utilizing the latest developments in submarine cable technologies, we have designed the longest continuous optical subsea cable path in the world, and one that can be powered from a

Network Cable Maximum Lengths: Ethernet, Coaxial, and Fiber Optic ...

This guide dives deep into the maximum length constraints of the three most common network cables—Ethernet, coaxial, and fiber optic—explaining why these limits exist, how they vary

OWC USB4 Active Optical Cable: Up to 40Gb/s

By combining cutting-edge optical design with our decades-proven attention to quality, we created the OWC USB4 40Gb/s Active Optical Cable to solve the

How Far Can a Fiber Optic Cable Be Run? The Practical Limits

Fiber optic cables have revolutionized modern communication networks by enabling blazing-fast data transmission across vast distances. However, fiber cable runs are not limitless. As

© 2026 PROMETHEAS OPTICAL - All rights reserved

How Long Can An Optical Cable Be□

The length of an optical cable can vary significantly depending on the type of fiber used, the application, and the equipment supporting the network.

The World''s Longest Submarine Cable 2Africa Just

The 45,000 km long 2Africa cable has just been connected to the Port of Marseille and will connect 33 countries on 3 continents.

Fiber-Optic Cable Bandwidth: Complete Guide

Fiber-optic cable bandwidth determines how much data your network can handle, directly impacting business operations from video conferencing to

Meta''s Project Waterworth: The World''s Longest

If successful, it will be the longest subsea cable in history, connecting five continents— Africa, Asia, Europe, North America, and South America —with

Fiber Optic Cable Distance: A Comprehensive Guide

Learn all about fiber optic cable distance and the key factors that affect it. Find out how to select the appropriate cables for your network and

Meta to Deploy World''s Longest Submarine Fiber Optic Cable

On 14 February 2025, while lovers were exchanging romantic gifts, Meta declared its unremitted love for speed with a plan to deploy the longest and fastest submarine fiber optic cable circling the globe. The

Apple supplier Corning wins $6 billion from Meta for AI optical ...

Meta will pay Corning up to $6 billion through 2030 for fiber-optic cable in its AI data centers. In an exclusive interview from a Corning factory in Hickory, North Carolina, CEO Wendell

Meta announces project Waterworth: The world''s longest subsea cable ...

Meta announces Project Waterworth, the world''s longest subsea cable, aiming to revolutionize global internet connectivity with faster, more

Additional source notes

Fibre-optic Link Around the Globe (FLAG) is a 28,000-kilometre-long (17,398 ; 15,119) mostly- that connects the , , , and many places in between. The cable is operated by , a subsidiary of . The system runs from the eastern coast of to Japan. Its Europe–Asia segment was the fourth longest cable in the world in 2008.

© 2026 PROMETHEAS OPTICAL - All rights reserved

Contact Us

Continue your research online:

Website: https://prometheas.fr
Technical inquiry: https://prometheas.fr/project-desk.html
North American project region: Ashburn, Loudoun County, Virginia, United States

This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

© 2026 PROMETHEAS OPTICAL - All rights reserved