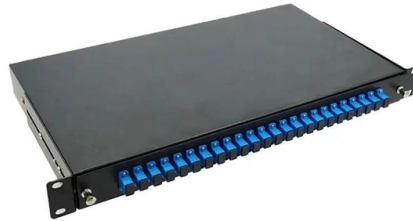


The fastest international optical cable



Overview

An international research team led by the Photonic Network Laboratory at the National Institute of Information and Communications Technology (NICT, President: TOKUDA Hideyuki Ph.), and including Sumitomo Electric Industries, Ltd. (Sumitomo Electric, President: INOUE Osamu) have set. 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. A consortium of Japanese, Australian, Dutch, and Italian scientists has established a fresh velocity milestone. Why it matters: A technological leap in fiber optics has shattered previous limitations, achieving what experts once considered impossible: transmitting data at 1. 7 Petabits over a 67km length of fibre. The fibre, which contains 19 cores that can each carry a signal, meets the global standards for fibre size, ensuring. Simon Gross, an ARC Future Fellow at the Macquarie University School of Engineering, works with the new multicore optical fiber setup; the new 19-core optical fiber is shown in the inset.



Article Content

Fiber-optic Cable Market Report: Size, Growth, Trends & Forecast

Fiber-optic Cable Market size was valued at \$ 14 Bn in 2024 and is expected to reach \$ 17.95 Bn by 2032, growing at a CAGR of 21.45% from 2026 to 2032 The report provides key trends, growth

Fastest industry standard optical fiber | ScienceDaily

A team of Japanese, Australian, Dutch, and Italian researchers has set a new speed record for an industry standard optical fibre, achieving 1.7 Petabits over a 67km length of fibre.

Fastest industry standard optical fiber | ScienceDaily

An optical fiber about the thickness of a human hair can now carry the equivalent of more than 10 million fast home internet connections running at full capacity.

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://www.activa.net.pl>

Email: sales@activa.net.pl

Phone: +48 662 748 193

Address: ul. Cybernetyki 7B, 02-677 Warsaw, Poland

This document is for informational purposes only. Specifications subject to change without notice.

