

Purchase of Mobile Optical Cable



Overview

China Mobile's general cable bid opening is coming soon. China Mobile recently issued a bidding announcement for ordinary optical cables. The estimated.

Key Takeaways

Mobile optical cables can be purchased from leading suppliers like ZTT, Hengtong, YOFC, and FiberHome, with careful consideration of specifications, quality, and procurement terms.

Key Suppliers and Market Overview

Recent procurement by China Mobile highlights the top suppliers in the optical cable market.

ZT

T secured the largest share (19.36%) of the 2025-2026 tender, followed by Hengtong, YOFC, and FiberHome, collectively controlling 60% of the awarded volume. Prices for loose-tube optical cables ranged around RMB 54-55 per F-km including VAT, reflecting both market stability and supplier differentiation based on quality, delivery reliability, and ESG performance.

Types of Mobile Optical Cables



Optical cables for mobile and outdoor applications are designed to withstand environmental stress while ensuring high-speed data transmission: Single-mode fibers: Ideal for long-distance, high-bandwidth applications with minimal signal dispersion. Multi-mode fibers: Suitable for short-distance connections, such as data centers or local networks, supporting multiple light modes simultaneously. Drop cables: Used for connecting the main network to end-user devices, often requiring flexibility and bend-insensitive fibers.

Outdoor and armored cables: Designed for harsh environments, including UV exposure, moisture, and mechanical stress.

Technical Considerations

When purchasing mobile optical cables, consider the following: Attenuation and bandwidth: Ensure the fiber supports the required data rates over the intended distance. Environmental resistance: For outdoor deployment, cables should resist temperature fluctuations, moisture, and physical stress. Compatibility: Verify that the cable type matches your network infrastructure (e.g., 5G fronthaul/backhaul, FTTx, or data center interconnects),.

Supplier reliability: Evaluate production capacity, delivery performance, and ESG credentials, as these factors increasingly influence procurement decisions.

Procurement Tips

Define specifications clearly: Use structured criteria for fiber type, core count, jacket material, and environmental ratings. Compare multiple suppliers: Avoid relying on a single source; consider both price and non-price factors such as quality and R&D capabilities. Document evaluations: Maintain records of supplier assessments and technical compliance to support responsible purchasing decisions.

Monitor market trends: Global demand is rising due to 5G expansion, FTTH deployment, and broadband infrastructure investments, which may affect availability and pricing. By following these guidelines, you can ensure that your purchase of mobile optical cables meets both technical requirements and long-term reliability standards.

Article Content

China Mobile's general cable bid opening is coming soon ...

China Mobile recently issued a bidding announcement for ordinary optical cables. The estimated purchase scale is about 140 million core kilometers, and the maximum bid limit is 9.86

China Mobile Launches Its Largest Optical Cable Procurement of the

China Mobile has issued a tender announcement for the centralized procurement of standard optical cable products for 2026-2027, via its official procurement and bidding website. The tender covers

China Mobile's 9.2 billion yuan fiber optic cable order ...

Recently, China Mobile's centralized procurement results of ordinary optical cables from 2021 to 2022 have been released . The estimated scale of this centralized procurement of ordinary optical fiber

2025/2026 China Mobile optical cable tender awards

Discover the latest updates on China Mobile optical cable tender. Find out the key insights and winners of the 98.8M F-km bid here.

ZTT Secures Top Position in China Mobile's 2025-2026 Optical Cable ...

On June 7, China Mobile, China's largest telecom operator and the world's biggest purchaser of optical fiber, officially announced the shortlisted candidates for its centralized procurement of outdoor optical

China Mobile Kicks Off 2025-2027 G.654E Optical Fiber and Cable ...

On June 24, 2025, China Mobile released a centralized procurement announcement on its official website, stating that the funds for the 2025-2027 G.654E optical fiber and cable product centralized

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Fiber Optic Cable Market

The global fiber optic cable market (henceforth, referred to as the market studied) was valued at USD 7,578. 1 million in 2019, and it is expected to reach USD 16,390. 6 million by 2025 ...

Amphenol Completes Acquisition of CCS Business From CommScope

Amphenol Corporation (NYSE: APH) today announced that it has completed its previously announced acquisition of CommScopes (NASDAQ: COMM) Connectivity and Cable

China Mobile's general cable bid opening is coming soon ...

1. China Mobile's central procurement of optical fiber and cable is about to open the bid, and the price is expected to stabilize and rise China Mobile recently issued a bidding announcement

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Fiber Optic Cable Buying Guide

Fiber Optic Cable Buying Guide Understand how to choose fiber optic cable by comparing single-mode vs. multimode, network speed and distance needs, cable jackets/fire ratings, connectors, cost and

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