Is 5 yuan per core low for 48-core fiber optic cable



Overview

China Fiber Optic Cable Manufacturer Price Guide (2025 Updated)A 48-core cable isn't exactly double the price of a 24-core cable, because the manufacturing.

Key Takeaways

5 yuan per core for a 48-core fiber optic cable is generally considered low, but the reasonableness depends on cable type, fiber brand, and environmental specifications.

Price Context

Fiber optic cable pricing is influenced by multiple factors, including fiber count, cable construction, jacket material, armoring, and fiber brand. High-core-count cables like 48-core are more expensive than standard 2- or 12-core cables, but the cost per core often decreases as the total fiber count increases due to manufacturing efficiencies. Typical Chinese manufacturer pricing for standard 48-core cables can vary widely depending on whether the fiber is premium (e.g., Corning, YOFC) or generic, and whether the cable is armored, outdoor-rated, or LSZH.

Factors Affecting Cost

Fiber Brand: Premium fibers ensure low attenuation and long-term reliability, while generic fibers are cheaper but may have higher bending loss. Cable Type: Outdoor, armored, or direct-buried cables cost more than indoor PVC or LSZH cables. Manufacturing and Logistics: Extrusion, testing, and shipping costs can add significantly to the final price, especially for long-distance or bulk orders.

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Economies of Scale: High-core-count cables like 48-core benefit from a lower per-core cost compared to smaller cables, but extremely low prices may indicate compromises in quality or specifications. Practical Considerations5 yuan per core translates to 240 yuan for a 48-core cable, which is low compared to typical market rates for standard outdoor or armored 48-core cables in China. Such a low price may be reasonable for basic indoor cables with generic fibers, but it is unusually low for premium outdoor or armored cables.

When evaluating suppliers, it is important to confirm fiber brand, attenuation, cable type, and warranty, as extremely low prices can sometimes indicate lower-quality materials or reduced performance.

Conclusion

While 5 yuan per core is on the low end, it could be acceptable for indoor, non-armored, generic fiber cables. For high-performance, outdoor, or armored 48-core cables, this price is likely below typical market rates, and buyers should verify specifications to ensure reliability and compliance with project requirements.

Article Content

China Fiber Optic Cable Manufacturer Price Guide (2025 Updated)

A 48-core cable isn''t exactly double the price of a 24-core cable, because the manufacturing process (extrusion) costs remain similar. The “sweet spot” for price-per-fiber is often in high-count cables (like

48 Core Fiber Optic Cable Price Per Meter

Discover 48 core fiber optic cable price per meter for aerial, duct, and submarine use. Explore SM/MM options, PE/LSZH jackets, and CE-certified durability.

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A 48-core optical fiber cable is a high-capacity telecommunications solution designed to support large-scale data transmission. The price and performance of these cables vary significantly based on their

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48 Fiber Cable Price, 2026 48 Fiber Cable Price Manufacturers ...

What should I look for when comparing optical fiber suppliers and wholesale prices? The 48 Fiber Cable Price is classified under our comprehensive Optical Fiber range.Focus on optical fiber performance

48 Core Fiber Optic Cable Price Per Meter for

These steel tape armored cables are suitable for installation for long haul communication and LANs, especially suitable for the situation of high

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Here''s a secret many distributors won''t tell you: The cable is usually the cheapest part of your project. In 2025, skilled fusion splicing labor is in high demand.

Cost of Fiber Optic Cable: Pricing Guide (2026)

Discover the cost of fiber optic cable in this pricing guide. Learn material prices, installation factors, and what impacts total project costs overall.

48 Core Fiber Optic Cable Price Per Meter for

Product Description Duct/UnderType 48 Core g652d Fiber Optic Cable GYTS is used for duct or aerial applications. These steel tape armored cables are suitable

Cost of Fiber Optic Cable: Pricing Guide (2026)

Fiber-optic cable pricing depends on whether you''re purchasing materials alone or including complete installation. For fiber cable materials only,

Anti-corrosion optical cable splice box-1688 industrial product ...

1688 buyer''s encyclopedia recommends ip68 corrosion-resistant fiber optic splice closures, ideal for high-humidity, high-salt environments such as seaside base stations and chemical plants.

How Many Core In Fiber Optic Cable Do I Need

The number of fiber cores mainly depends on interface of fiber connection equipment and type of the device,read details in this blog.

How to Choose the Suitable Number of Fiber Cores for Your Network

Among their many features, the number of fiber cores directly affects data capacity and network performance. Understanding this key aspect is crucial for making the right choice. This

How Much Does Fiber Optic Cable Cost?

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Understand the cost of fiber optic cable, factors that impact cost, and key considerations to help you get the most out of your budget. Contact Cables

Fiber Optic Cable Price Per Foot Guide 2026

Buyers typically pay a range for fiber optic cable per foot depending on fiber type, jacket, and shielding, plus installation considerations. This guide outlines typical cost ranges and the main

PRODUCT SPECIFICATIONS

PRODUCT DESCRIPTION Fiber Optic Cable - OM4 Multimode Fiber, Plenum or Riser Rated cable that is o ered in 48, 60, 72, or 96

Fiber Optic Cable Cost Guide 2026

Buyers typically pay for fiber optic cable by length, fiber type, and installation complexity. Main cost drivers include cable grade (indoor vs outdoor, armoured), distance, and labor for

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

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