

RIVO MULTITRADE OPTICAL SYSTEMS

US Project Quotation 24-core large-diameter fiber



Overview

GL FIBER 24 Core ADSS Fiber Optic Cable, G652D, 120m SpanGL FIBER' ADSS cables offer a rapid and economical means for deploying optical fiber cables along.

Key Takeaways

A 24-core fiber optic cable in the U.S. typically costs around \$1.00 per foot for single-mode outdoor cables, with variations depending on construction, type, and bulk orders.Cable Specifications

24-core fiber optic cables are available in both single-mode and multi-mode configurations. They are commonly constructed with:

- Loose tube fibers filled with water-blocking compounds for moisture protection (SABA, ADSS)
- Aramid yarn strength members for tensile strength and crush resistance
- Polyethylene or electric tracking resistant outer sheath for outdoor durability



- Metal-free design for ADSS cables, allowing installation on high-voltage transmission lines without grounding concerns ADSS (All-Dielectric Self-Supporting) cables are particularly suitable for overhead installations across rivers, valleys, or high-tension environments, with maximum spans exceeding 1000 meters . These cables are lightweight, reducing wind and ice load on towers.

Pricing Overview

- Single-mode fiber: \$0.10-\$0.50 per foot for the cable itself; 24-core cables can reach \$1.00 per foot
- Multi-mode fiber: \$0.30-\$1.00 per foot depending on core type and standard (OM3/OM4)
- Armored or harsh-environment cables: \$0.50-\$5.00 per foot
- Bulk orders: Can reduce per-foot costs by 20-40% Pricing depends on factors such as cable type, core material, construction (armored vs. non-armored), and environmental rating.

Supplier Options

- SABA Cable: Offers 24-core distribution fiber optic cables with LSZH, metal-free outdoor construction, and IEC-standard testing
- Huadong Cable Group: Provides customizable 24-core and 48-core fiber optic cables; pricing and specifications can be requested via email
- ME Fiber Optic: Specializes in 24-core ADSS cables suitable for high-voltage transmission lines and overhead installations

Procurement Considerations

- Determine whether single-mode or multi-mode is required based on transmission distance and network design.
- Specify environmental conditions (outdoor, direct burial, high-voltage areas) to select appropriate cable construction.
- Request bulk quotations from multiple suppliers to optimize cost.
- Check for compliance with IEC or ANSI standards for quality assurance. For a U.S. project, contacting suppliers directly with your project specifications will yield the most accurate quotation, including shipping, installation, and potential discounts for large orders.

Article Content

GL FIBER 24 Core ADSS Fiber Optic Cable, G652D, 120m Span

GL FIBER'' ADSS cables offer a rapid and economical means for deploying optical fiber cables along existing aerial rights-of-way.

Fiber Optic Splicing Cost Per Splice (2025 Guide), SpliceList

Large fiber counts on a single project drive the per-splice rate down through volume pricing - a contractor who quotes \$100/splice for

Fiber Optics Bids, RFPs & Government Contracts | Find RFP

Below is a sample search result showing the newly published government contracts and bids in fiber optics, cabling, wiring. These

24 Fiber ADSS Cable, 24 Strand ADSS Fiber, 24 Fiber ADSS Aerial

American Tech Supply Can Deliver ADSS Fiber Cable, Ribbon Cable, all armored, Gel and Gel Free singlemode fiber

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

Large Core Fiber series | Telecommunication Systems Business Unit

Fujikura's Large Core fibers are quartz-based optical fibers engineered for high-density power transmission and broad-wavelength

Attachment C

Please price this as an all inclusive unit per each 24 ribbon splice. Provide separate pricing line item for the highly detailed fiber

Large Diameter Fiber Optic Cables

Multimode fiber optic cable has a large diameter core that is much larger than the wavelength of light transmitted, and therefore has

Ethernet Installation Cost: Comprehensive Pricing Guide (2026)

Discover the comprehensive pricing guide for Ethernet installation costs, covering factors that influence prices and

24 Core Outdoor Armored Double Jacket Fiber Optic Cable

Features of 24 Core GYTY53 fiber optic cable Low dispersion and attenuation Proper design, precise control for fiber excess length

Fiber Selection Guide

The small fiber diameter usually permits smaller cable diameters than tight buffered designs. Originally used in high-fiber outside

24 Core and 48 Core Fiber Optic Cable

24 Core and 48 Core Fiber Optic Cable Fiber optic cable is a cable containing one or multiple optical fibers that are used to transmit

Opti-Core® Fiber Optic Distribution Cable

ht-buffered fibers surrounded by aramid yarn strength members. Larger distribution cable (48 fibers and greater) features a “sub-unit”

How to Choose the Right Fiber Optic Cables

The good news is that the CablesPlus USA website offers the ability to filter results based on fiber cable type, strand

Large Core Fiber

Large Core Fiber Large core optical fibers are most commonly used in medical and industrial applications. The large core size allows

CableWholesale 24-Strand Fiber Optic Cable, Indoor/Outdoor OS2

Experience unparalleled long-distance connectivity with our 1000ft spool of 24-Strand Indoor/Outdoor Fiber Optic Cable. Designed

Large-core Fibers – multimode, single-mode, effective mode area

A large-core fiber is an optical fiber having a fiber core which is relatively large. It can be a multimode fiber or a single-mode fiber.

Fiber Optic Cable Pricing Guide: Factors That Affect Cost and How to ...

This guide outlines the major factors that influence fiber optic cable costs and provides practical tips for estimating

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

