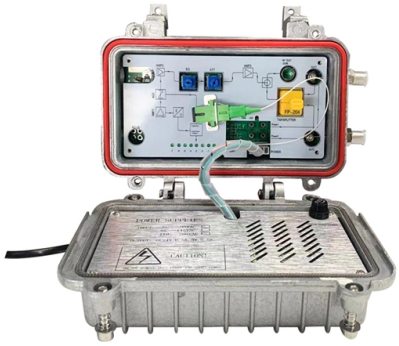
ZITHA TECH SPECIALTY CABLES (Pty) Ltd

Cost of 288-core optical cable



Overview

Cost of Fiber Optic Cable: Pricing Guide (2026)A simple 1-core FTTH drop cable costs around $0.13 per foot, while a 288-count optical fiber cable for build.

Key Takeaways

A 288-core optical fiber cable typically costs around $6 per foot, with prices varying based on type, construction, and application.Pricing Overview

High-density 288-core optical cables are used for backbone and data center applications, supporting high-speed, long-distance data transmission. According to industry sources, bulk 288-core fiber cables can cost $6 per foot or more, depending on specifications and environmental ratings (indoor, outdoor, armored) (Thenetworkinstallers.com) . Pre-terminated assemblies or patch cables are more expensive due to factory termination and connector types.

Factors Affecting Cost
• Fiber Type: Singlemode fibers (G.652.D, G.657.A1) are standard for long-distance and high-speed applications, while multimode fibers are generally cheaper but suited for shorter distances (Thenetworkinstallers.com) .

• Cable Construction:
• Indoor riser-rated cables are less expensive than plenum-rated cables.

• Armored or gel-free outdoor cables designed for aerial, duct, or direct-buried applications cost more due to added durability and environmental protection (Corning, CommScope) .

© 2026 ZITHA TECH SPECIALTY CABLES (Pty) Ltd - All rights reserved

• Ribbonization and Termination: Ribbonized cables with 12-fiber MPO connectors simplify mass fusion splicing but may slightly increase cost (Panduit) .

• Environmental Rating: UV-resistant jackets, water-swellable tapes, and gel-free designs for outdoor use add to the price (Corning) .
Typical Applications
• Indoor Data Centers: LSZH, flame-rated 288-core ribbon cables for high-density distribution (Panduit) .

• Outdoor Backbones: Gel-free, UV-resistant, single-tube cables for aerial, duct, or direct-buried installations (Corning, CommScope) .

• Enterprise Networks: ADSS 288-core cables for telecom and industrial connectivity, supporting high-speed protocols and minimal signal loss (Alibaba) .
Summary

For budgeting purposes, expect $6 per foot as a baseline for 288-core optical cables, with variations based on fiber type, indoor/outdoor rating, armored construction, and pre-termination. Bulk purchases may reduce per-foot cost, while specialized cables for harsh environments or pre-terminated assemblies will increase it. Proper selection should consider installation environment, connector compatibility, and long-term durability.

Article Content

Cost of Fiber Optic Cable: Pricing Guide (2026)

A simple 1-core FTTH drop cable costs around $0.13 per foot, while a 288-count optical fiber cable for building

288-Core Fiber Optic Cable

While a 288 core fiber optic cable may have a higher upfront cost than lower-core-count alternatives, the long-term

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

288 Count Fiber Optic Cables

We stock a full array of multimode fiber cable and singlemode fiber optic cables in loose tube, indoor, indoor outdoor, plenum,

The FOA Reference For Fiber Optics

© 2026 ZITHA TECH SPECIALTY CABLES (Pty) Ltd - All rights reserved

High Fiber Count Fiber Optic Cables As fiber optic communications systems are expanded to

Fiber Optic Cable Pricing Guide: Factors That Affect

Fiber optic cables are essential components in today''s broadband, FTTx, and data center

288 Core CST Fibre Cable Multi Loose Tube Armoured

Offers 4 core 24 core 48 core to 288 core with different cable structure. This 288 core CST fibre cable has

288 Fiber OSP Single Mode Fiber Optic Cable Dry Core Steel

Specifications : • Fiber Count : 288 • Type : Buried Underground • Nominal Diameter : 0.80 inch / 20.3 mm • Bend Radius : 16 in

How Much Does It Cost to Run Fiber Optic Cable per

Traditional networks have used optical cable with 36, 48, 72, 144, and 288 fiber strands.

Submarine 2-288 Core Armored Fiber Optic Cable Price Per Meter

Submarine 2-288 Core Armored Fiber Optic Cable Price Per Meter, Find Details and Price about Optical Fiber Cable and Fiber Optic

Excel Networking Solutions

Enbeam OS2 Singlemode CST Armoured Fibre Optic Cable Loose Tube 288 Core 9/125 HDPE Fca Black, part of a huge range of

288 core adss optical cable

Discover premium quality 288 core adss optical cable designed to enhance connectivity and performance. Ideal for business buyers

288 Cores Fiber Optic Cable

288 Cores Fiber Optic Cable, Find Details and Price about Optical Fiber Cable Non-Metallic

ADSS Optical Fiber Cables: A Guide to 6–288 Core Configurations

Conclusion ADSS cables with 6–288 cores provide unparalleled flexibility for modern optical networks. Lower-core

How Much Does Fiber Optic Cable Cost? 2025 Factory

© 2026 ZITHA TECH SPECIALTY CABLES (Pty) Ltd - All rights reserved

Searching for how much does fiber optic cable costs? Stop guessing. We break down 2025 prices for OS2,

Opti-Core 144 and 288-Fibre Indoor Ribbon Cables, LSZH and

This cable shall contain 144 or 288 singlemode fibres for high density data center distribution applications. The fibres shall be

The FOA Reference For Fiber Optics

High Fiber Count Fiber Optic Cables As fiber optic communications systems are expanded to

Fiber Optic Cable Pricing Guide: Factors That Affect

Fiber optic cables are essential components in today''s broadband, FTTx, and data center

288 Core CST Fibre Cable Multi Loose Tube Armoured

Offers 4 core 24 core 48 core to 288 core with different cable structure. This 288 core CST fibre cable has

288 Fiber OSP Single Mode Fiber Optic Cable Dry Core Steel

Specifications : • Fiber Count : 288 • Type : Buried Underground • Nominal Diameter : 0.80 inch / 20.3 mm • Bend Radius : 16 in

How Much Does It Cost to Run Fiber Optic Cable per

Traditional networks have used optical cable with 36, 48, 72, 144, and 288 fiber strands.

Submarine 2-288 Core Armored Fiber Optic Cable Price Per Meter

Submarine 2-288 Core Armored Fiber Optic Cable Price Per Meter, Find Details and Price about Optical Fiber Cable and Fiber Optic

How Much Does Fiber Optic Cable Cost?

Understand the cost of fiber optic cable, factors that impact cost, and key considerations to

288 Fiber ADSS Cable, 288 Strand ADSS Fiber, 288 Fiber ADSS

As a distributor we carry several manufacturers however Fujikura has been consistently delivering our ADSS Fiber

Fiber Optic Cable Price Per Foot Guide 2026

© 2026 ZITHA TECH SPECIALTY CABLES (Pty) Ltd - All rights reserved

Buyers typically pay a range for fiber optic cable per foot depending on fiber type, jacket, and shielding, plus

288 Count OSP Fiber Optic Cable

288ct Commscope TeraSPEED® 760053363, 18,304'', 107307 Part number: 760053363- D-288-LA-8W-F12NS Fiber OSP cable,

Excel Networking Solutions

Enbeam OS2 Singlemode CST Armoured Fibre Optic Cable Loose Tube 288 Core 9/125 HDPE Fca Black, part of a huge range of

288 core adss optical cable

Discover premium quality 288 core adss optical cable designed to enhance connectivity and performance. Ideal for business buyers

288 Cores Fiber Optic Cable

288 Cores Fiber Optic Cable, Find Details and Price about Optical Fiber Cable Non-Metallic Optical Fiber Cable from

ADSS Optical Fiber Cables: A Guide to 6–288 Core Configurations

Conclusion ADSS cables with 6–288 cores provide unparalleled flexibility for modern optical networks. Lower-core

Cost of Fiber Optic Cable: Pricing Guide (2026)

A simple 1-core FTTH drop cable costs around $0.13 per foot, while a 288-count optical fiber cable for building

288-Core Fiber Optic Cable

While a 288 core fiber optic cable may have a higher upfront cost than lower-core-count alternatives, the long-term

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

288 Count Fiber Optic Cables

We stock a full array of multimode fiber cable and singlemode fiber optic cables in loose tube, indoor, indoor outdoor, plenum,

Custom 288 Strand Corning Outdoor Armored SM Fiber Optic

© 2026 ZITHA TECH SPECIALTY CABLES (Pty) Ltd - All rights reserved

Although this option is priced higher than standard indoor/outdoor distribution cable that needs to be ran inside conduit, it outweighs

288 Count Plenum Cable

We provide fiber optic cables from over 10 different manufacturers including Draka, Quabbin, OFS, Belden, AFL, Optical Cable and

Fiber Optic Cable Cost Guide 2026

Main cost drivers include cable grade (indoor vs outdoor, armoured), distance, and labor for trenching, splicing, and

288 Fiber OSP Single Mode Fiber Optic Cable Dry Core Steel

Select a Variant 288 Fiber OSP Single Mode Fiber Optic Cable Dry Core Steel Armored Black 122883101 Availability: In stock Price:

288 ct OSP Heavy Duty MicroCore® Single-Mode Dielectric Micro

OSP Heavy Duty MicroCore® LMHD-Series Micro Fiber Cable, Single-Mode, 288 ct., Dielectric, 250µm BIF fiber, Single Jacket

Corning

SMF-28® Ultra 200 fiber. ITU-T G.652.D and G.657.A1-compliant 200 micron single-mode

Cost of Fiber Optic Cable: Pricing Guide (2026)

A simple 1-core FTTH drop cable costs around $0.13 per foot, while a 288-count optical fiber cable for building

288-Core Fiber Optic Cable

While a 288 core fiber optic cable may have a higher upfront cost than lower-core-count alternatives, the long-term

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

288 Count Fiber Optic Cables

We stock a full array of multimode fiber cable and singlemode fiber optic cables in loose tube, indoor, indoor outdoor, plenum,

© 2026 ZITHA TECH SPECIALTY CABLES (Pty) Ltd - All rights reserved

Contact Us

Continue your research online:

Website: https://zithatech.co.za
Technical inquiry: https://zithatech.co.za/contact.html

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

© 2026 ZITHA TECH SPECIALTY CABLES (Pty) Ltd - All rights reserved