Complete List of Direct-Buried Optical Cable Models and Prices

Overview

Direct buried fibre optic cable is a kind of optical cable which is armoured with steel tape or steel wire outside.

Key Takeaways

Direct-buried optical cables are available in armored and loose-tube designs, with fiber counts from 1 to over 400, and prices vary based on fiber type, construction, and length. Cable Models and Types1. Ribbon Fiber CablesHigh-density flat ribbon format, supporting mass-fusion splicing for fast installation.

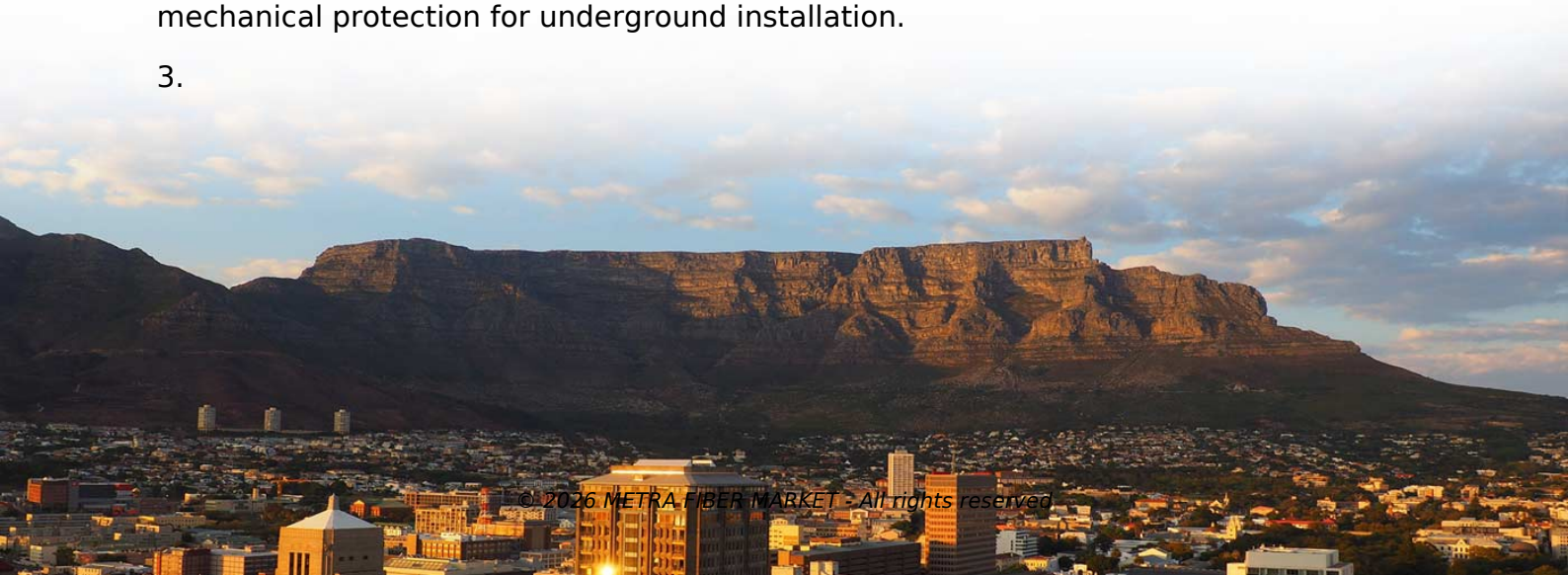
Fiber counts range from 12 to 432 fibers. Lightweight, durable, and suitable for direct burial in trenches or via plowing. Often armored for crush and rodent protection.

2.

Loose Tube Fiber Cables

Contain buffer tubes with 12 or 24 fibers. Commonly deployed in outdoor environments, with fiber counts from 12 to 432. Armored versions provide mechanical protection for underground installation.

3.



© 2026 METRA FIBER MARKET - All rights reserved

Armored Direct-

Buried Cables

Steel tape or steel wire armored with double or triple sheath for soil and mechanical protection. Suitable for long-distance communication and inter-office networks. Can be customized for singlemode (OS1, OS2, G.

652, G. 657) or multimode (OM2, OM3, OM4) applications. 4.

Specialty Cables

Temperature or acoustic sensing cables with stainless steel loose tubes and strength members. Compact designs for tunnels, railways, or metropolitan networks, with fiber counts from 1 to 144.

Price Considerations

Cost Drivers: Fiber type (singlemode vs multimode), fiber count, cable structure (armored vs non-armored), sheath material, and shipping distance. Length: Minimum order quantities often start at 2 km, with bulk orders reducing per-meter cost. Retail Options: Smaller sections (e.g., 800 ft to 6,500 ft) are available from suppliers like Discount Low Voltage and Amazon, often pre-terminated for faster installation.

Approximate Pricing: Small retail sections (50–1000 ft) of armored singlemode fiber: $0. 50–$2 per foot depending on fiber count and quality. Bulk orders (km scale) for high-fiber-count armored cables: $1–$5 per meter, with exact quotes provided by manufacturers based on specifications.

Suppliers and Customization

Corning: Offers ribbon and loose tube cables with high fiber density and armored options for direct burial.

HO

C: Custom manufacturing for any fiber type, sheath, and length; accepts small trial orders and bulk orders. Discount Low Voltage: Provides pre-cut and pre-terminated cables, OM2/OM3/OM4 options, and cost-saving solutions for large projects. Amazon: Retail armored fiber optic cables for underground installation, suitable for small-scale projects.

Direct

Industry: Industrial-grade cables for specialized applications like tunnels, railways, and sensing, with fiber counts from 1 to 144. SummaryDirect-buried optical cables are versatile and available in multiple fiber counts, constructions, and materials. Prices vary widely depending on fiber type, length, and armor, with retail options suitable for small projects and bulk orders for large-scale deployments.

© 2026 METRA FIBER MARKET - All rights reserved

For precise pricing, contacting suppliers with your project specifications is recommended to obtain a formal quote.

Article Content

Pricing Table for Direct-Buried Optical Cable Construction

Direct buried fibre optic cable is a kind of optical cable which is armoured with steel tape or steel wire outside. We''ll show actual costs for materials, labor, and hidden expenses that can kill your profit

Cables for direct buried installation | Melbye

Cables designed for direct burial installation and has full rodent protection. It attains its mechanical robustness and functional performance through its corrugated steel tape (CST) reinforcement.

Shop Direct Burial Fiber Optic Cable | Discount Low Voltage

Durable direct burial fiber optic cable built for harsh underground environments. Shop gel-free, custom-cut options from trusted brands for reliable, long-distance connectivity.

Direct Buried Fiber Optic Cables | Optical

Designed to meet the demands of today''s data-intensive world, these cables are comprised of multiple optical fibers bundles in a flat ribbon format that is high

Direct Buried Fiber Optic Cables | Corning

The most commonly-deployed outdoor cable design, with fiber counts from 12 to 288 fibers. These cables feature steel-tape armour so that they can be installed directly into the ground without the use

Direct Buried Fiber Optic Cables | Anti-Rodent, All-Dielectric & Fire ...

Explore direct buried fiber optic cable types including anti-rodent, fire-resistant, and all-dielectric designs. Learn about GYFTA53, GYFY53, GYFZS53, and GYTS53 models for

Direct Buried Fibre Optic Cable Price And Installation

HOC produces all types of direct buried fibre optic cable, and supply with customized specifications for your project. Get a quote today!

Direct Buried : See all products – Lightera

© 2026 METRA FIBER MARKET - All rights reserved

Browse our catalog of products grouped in the Direct Buried category. High quality and performance products!

Direct Buried

When it is not possible to suspend the cable on the overhead towers or install it into cable ducts, cable is laid into the ground. This is more expensive than overhead installation, but sometimes it can be the

Amazon : Direct Burial Fiber Optic Cable

Armored fiber optic cables for underground installation with UV and temperature resistance.

Full text of "NEW"

Full text of "NEW" See other formats Word . the, > < br to of and a : " in you that i it he is was for - with) on (? his as this ; be at but not have had from will are they -- ! all by if him one your or up her there

America''s Business Directory for Over 20 Years | Manta

As the industry-leading business directory for over 20 years, Manta has been connecting people to local and small businesses located in their neighborhoods. Use Manta''s business search directory to find

Direct Buried Fiber Optic Cables | Optical

In the absence of duct infrastructure, cables can be buried directly into the ground in a trench or using a vibratory plow.

Underground Fiber Optic Cable: The Complete Guide (2026)

Comprehensive guide to underground fiber optic cable types, installation, pricing, conduit systems, standards, and armored solutions for projects. Underground fiber optic cable is designed for direct

Microsoft Word

Specifications Dimensions and Descriptions The standard structure of Direct Burial Cable is shown in the following table, other structure and fibre count are also available according to customer

Direct Burial Fiber Optic Cable G652D OM3 G657A1

Hot Models & Applications of Direct Burial Fiber Cable G652D Single Mode Fiber Optic Cable Features: low attenuation, long distance transmission, affordable.

Recommendation ITU-T L.101 (08/2024)

© 2026 METRA FIBER MARKET - All rights reserved

Recommended technical requirements are detailed by reference to IEC 60794-3-11 on outdoor optical fibre cables for duct, directly buried, and lashed aerial applications. Changes and

Outdoor Rated/Direct Burial Fiber Optic Cables

FiberCables manufacturers and sells fiber cables and accessories. We strive to make our site the easiest and most affordable way to buy fiber optic cable.

Contact Us

Continue your research online:

Website: https://metramarket.es
Technical inquiry: https://metramarket.es/contact.html

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

© 2026 METRA FIBER MARKET - All rights reserved