

# 24-core direct-buried optical cable

## Article Overview

The 24-core direct-buried optical cable is typically a GYTA53 or GYTY53 double-armored, double-sheathed fiber optic cable designed for underground installation with high mechanical and environmental protection.

## Cable Construction and Features

- o Fiber Count: 24 cores, available in both single-mode and multimode configurations .
- o Fiber Type: 250 um optical fibers housed in gel-filled PBT loose tubes, providing protection against moisture and mechanical stress .
- o Central Strength Member: A phosphatized steel wire or metallic core provides tensile strength and strain resistance .
- o Loose Tube Stranding: Tubes and filler ropes are stranded around the central strength member, allowing fibers to move freely and remain stress-free under longitudinal tension .
- o Waterproofing: The loose tubes are filled with a water-blocking compound, and additional water-blocking tapes or fillers prevent water ingress .
- o Armoring: The cable features corrugated steel tape and aluminum-polyethylene laminated tape (APL) for crush resistance, rodent protection, and mechanical durability .
- o Sheathing: A double PE sheath (inner and outer) provides environmental protection and UV resistance .

## Performance and Applications

- o Direct Burial: Designed for underground installation, capable of withstanding soil pressure, moisture, and rodent attacks .
- o Long-Distance Transmission: Suitable for LAN, metropolitan, and long-haul fiber networks due to low attenuation and high signal integrity .
- o Environmental Resistance: Resistant to electromagnetic interference, lightning, and harsh weather conditions, making it ideal for outdoor and extreme environments .
- o Mechanical Protection: The double-armored design ensures crush resistance, tensile strength, and strain relief, critical for direct-buried or duct installations .

## Summary

The 24-core GYTA53/GYTY53 direct-buried optical cable is a robust, high-performance fiber optic solution for underground deployment. Its double-armored, double-sheathed construction with gel-filled loose tubes and a metallic central strength member ensures durability, water resistance, and stress-free fiber operation, making it suitable for long-distance, high-reliability fiber optic networks in harsh environments .

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24 Core Fiber Optic Cable GYTY53 Outdoor Armored Double Jacket Waterproof Gel Filled loose tube direct burial is used for direct

ALTOS&#174; gel-free, double-jacket, single-armored cables are rugged, armored cables designed for direct-buried installation while

Hubungi Kami ! Nama Produk Netviel 24 Core Singlemode Outdoor Direct Buried, Double Jacket 9/125um Seri Produk NVL-DB-SM1

Direct Bury Underground Optical Fiber Cable 24/48/96/144 Core Fibra Optica Cable Outdoor, Find Details

High quality Direct Buried 24 Core Steel Wire Underground Fiber Optic Cable Double Armoured Gyfty53

Quantity Select your preferred quantity for each color below. Add additional colors and lengths as needed. Corning 24 Fiber, 62.5

underground direct buried fiber optic cable gyta53 armoured g652d best price 24 core fiber optic cable

24-core GYTY53 cables are ideal for outdoor backbone and access networks,

Whether it's a solid armored fiber optic cable buried directly in the ground, or a conduit that can pass anything, a direct burial fiber

Applications of 24 Cores GYTA53 fiber optic cable These corrugated steel tape and aluminum tape armored and

1-24 core FTTP FTTx Flat Drop Flexible Fiber Optic Cable for the Last Link direct buried, conduit Underground or self-supporting

24 Core GYTY53 fiber optic cable is used for direct buried underground, it suit for long distance and LAN fiber communications, we

Designed to meet the demands of today's data-intensive world, these cables are comprised of multiple

Shop high-quality 24 core direct buried armored fiber optical cables for reliable communications. Durable, outdoor-friendly, and

Directly buried and installed into the soil and tranchet Suitable for unprotected environments and outdoor networks Containing up to



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24 Core Direct Buried Fiber Optic Cable 7224 G.652D PBT Loose Tube Steel Strength Member Water Proof Tape Water Blocking

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