

288-core blown fiber optic cable



Overview

This lightweight cable offers durability and flexibility required for many outside plant. ROHS DIRECTIVE.

Key Takeaways

A 288-core blown fiber optic cable is a high-capacity, singlemode or multimode cable designed for air-blown installation, offering compact, flexible, and durable performance for high-density network deployments.

A 288-core blown fiber optic cable is engineered to carry a large number of optical fibers in a single cable, typically for backbone, metro, or access networks. These cables are designed for air-blown installation, allowing fibers to be easily deployed through microducts using compressed air, which simplifies installation and reduces labor costs .

Construction Types

- Loose Tube Design: Fibers are housed in multiple loose tubes, often filled with gel or water-swallowable materials to prevent moisture ingress. This design provides flexibility and protection against mechanical stress .
- Ribbon Design: Some high-fiber-count cables, like Corning SST-UltraRibbon, use stacked ribbons (24- or 36-fiber per ribbon) that can be separated into smaller units for splicing and branching .

- **Armored vs Non-Armored:** Armored cables, such as CST (corrugated steel tape) designs, provide rodent resistance and mechanical protection for harsh environments, while non-armored versions are lighter and easier to handle .

Key Features

- **Fiber Type:** Typically singlemode OS2 (G.652.D or G.657.A1) for long-distance transmission, low attenuation, and backward compatibility with OS1 .
- **Core Count:** 288 fibers, often arranged in multiple ribbons or loose tubes for modularity and easier splicing .
- **Sheath Material:** UV-resistant polyethylene or similar materials for outdoor durability .
- **Water Protection:** Gel-free or gel-filled designs, sometimes with water-swellaable tapes, to prevent moisture ingress .
- **Mechanical Strength:** Strength members (fiberglass or steel) provide tensile and anti-buckling resistance, ensuring reliability in aerial, duct, or direct-buried installations .
- **Compliance:** Many cables meet RoHS, REACH, and other environmental and safety standards .

Applications

- **Air-Blown Microduct Networks:** Ideal for connecting optical branch points and user access points in high-density urban or campus networks .
- **Backbone and Metro Networks:** Supports high-capacity data, voice, and video transmission over long distances .
- **Harsh Environments:** Armored versions are suitable for areas with rodent activity or mechanical stress .

Advantages

- **High Fiber Density:** 288 fibers in a compact design reduce space requirements in ducts and conduits.
- **Flexible Installation:** Air-blown deployment allows rapid and modular network expansion.
- **Durability:** Resistant to UV, moisture, and mechanical stress, ensuring long-term reliability.
- **Modular Splicing:** Ribbon or loose tube designs allow easy separation for splicing and branching. In summary, a 288-core blown fiber optic cable is a versatile, high-capacity solution for modern optical networks, combining compact design, mechanical protection, and ease of installation for both outdoor and indoor applications .

Article Content

2-288 Core Buried Duct Air blown Fiber optic cable GYCFHTY ...

We are a manufacturer of Buried Duct Air blown Fiber optic cable GYCFHTY. We supply fiber optic Cable in

MicroCore® Blown Fiber Optic Cable 288 Fiber Count -

Beginning with optical ground wire (OPGW), introduced in 1984 as AFL's flagship product, the line now

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Fiber OSP cable, Zero Water Peak, ® Blown Micro Single Jacket All-Dielectric Outdoor Stranded Loose Tube 200um Fiber Arid-Core

OSP MicroCore High density fiber optic cable.

OSP MicroCore Fiber Optic Cable | High-Density Solutions by AFL delivers high-performance engineering, reliability and simplified

ABC Super Slim Design Air blown Fibre Optic Cable SM 288 core

This lightweight cable offers durability and flexibility required for many outside plant. ROHS DIRECTIVE. All cables and any

ALTOS® Loose Tube, Gel-Free Cable 288 F, Single

The loose tube gel-free design is fully waterblocked using craft-friendly, water-swellaable materials, which

Layer-twisted nylon sheathed air-blown micro cable (24-288 cores)

Layer-Twisted Nylon Sheathed Air-Blown Micro Optical Fiber Cable (24-288 cores) - high-density, lightweight cable optimized for air

288EV4-14100D53 | SST-UltraRibbon Single-Tube, Gel

Providing high-fiber-counts in a rugged, compact design, the enhanced coupling features ensure the ribbon

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2-288 Core Buried Duct Air Blown Fiber Optic Cable Gycfhty

Air blown fibers being blown into place, rather than pulled, puts no zero tensile stress on the fiber during installation and fiber splice

ABC Super Slim Design Air blown Fibre Optic Cable SM 288 core

All dielectric Single Jacket Multi Loose Tube cables are UV-stabilized, fully water blocked for Micro duct applications. Loose tube

ALTOS® Loose Tube, Gel-Free Cable 288 F, Single

Gel-Free Loose Tube Optical Fiber Cables for Outdoor Applications ALTOS Generic Specifications Gel

Excel Networking Solutions

Enbeam OS2 micro blown SM G.657.A1 fibre cable loose tube 288 core 9/125 HDPE Fca black, part of a huge range of OS2 fibre

Custom 288 Strand Corning Outdoor Armored SM Fiber Optic

Our 288 Strand OSP Singlemode QuickTreX® Pre-Terminated Fiber Optic Assemblies Are Made In The USA With Corning Glass By

288 Core Optical Fiber Cable

Discover 288 core optical fiber cables with high-density core count for FTTH and telecom networks. Ideal for long

288 Core SM G652D Fiber Optic Cable

288 Core SM G652D Fiber Optic Cable by HUIYUAN offers high performance for telecommunications. Air blown micro duct

G.657.A1 288 Core Fiber Optic Ethernet Cable Natural

288 Core G.657A1 Fiber Optic Ethernet Cable Air Blown Optic Cable Blown Fiber Optic Description

288 Core 9/125 Singlemode MLT Microduct Fibre Cable 200um

288 Core 9/125 Singlemode MLT Microduct Fibre Cable 200um G657a1 8.2mm Please note this cable is used for blown systems

GCYFY-288F, conventional fiber optic cable, Outdoor optical cable ...

air blow fiber cable 1□The filling compound in the loose tube provides key protection for the optical fiber 2□Cable core dry water

760086710 | R-288-LN-8W-F12BK/25D | CommScope

Fiber Indoor/Outdoor cable, TeraSPEED®, Single Jacket All-Dielectric, 288 fiber, Riser Rated, Gel-Free, Stranded Loose Tube,

Multi-Loose Tube Fiber Cable

Outdoor dry core optical fiber Multi Loose Tube cable with aramid yarns as strength member, polyethylene inner jacket, Corrugated

Layer-twisted nylon sheathed air-blown micro cable (24-288 cores)

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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

Corning

Binderless FastAccess® Technology Innovative cable design that reduces cable access time up to 70 percent and lowers the risk of

stranded up to 288 core air-blown fiber cable

A4: Of course. OPGW cable, ADSS cable, ACSR Cable, FTTH Drop cable, outdoor fiber cable, indoor fiber cable, fiber cable

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Fiber Outside Plant Cables

Fiber Outside Plant Cables CommScope outside plant fiber optic cables are meticulously designed to withstand the rigors of outdoor

Optical

Single Mode Optical fiber cable generally used for micro-duct installations for telecommunication FTTH projects optimized for blown

Blown fibre tubing and micro blown multi loose tube fibre cable

As the UK's largest distributor of structured cabling solutions, we offer a huge range of Enbeam blown fibre tubing and micro blown

SINGLE MODE OS2 MULTITUBE ARMOURED FIBER OPTIC

The core is constructed by stranding the buffer tubes around a central member. The core is wrapped with flexible strength members

ABC Super Slim Design Air blown Fibre Optic Cable SM 288 core

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288 Core SM G652D Fiber Optic Cable by HUIYUAN offers high performance for telecommunications. Air blown micro duct

MicroCore Blown Fiber Optic Cable | AFL EMEA

AFL MicroCore® is an advanced Blown Fiber Optic Cable system for underground duct networks. The

Outdoor Stranded Type 1-288 Core Single Mode Air

Type: Coaxial Item: Air Blown Fiber Optic Cable Outsheath: PE,LSZH. Laying Method: Overhead Fiber

Wrapping Tube (WTC) Cable with SpiderWeb Ribbon

Wrapping Tube Cable (WTC), with SpiderWeb Ribbon (SWR), is an ultra-high density outside plant cable designed specifically for

144 or 288 Core Mini Air Blown Micro Fiber Optic Cable

144 or 288 Core Mini Air Blown Micro Fiber Optic Cable with FRP Strength Member PE Jacket Air Blown

G.657.A1 288 Core Fiber Optic Ethernet Cable Natural HDPE Jacket

288 Core G.657A1 Fiber Optic Ethernet Cable Air Blown Optic Cable Blown Fiber Optic Description Huiyuan supplies various types

288 Core 9/125 Singlemode MLT Microduct Fibre Cable 200um

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