

Outdoor 24-pair optical cable model and specifications



Article Overview

The model of the outdoor 24-pair optical cable can be Corning ALTOS® Loose Tube Gel-Free 24F OS2 or similar variants like CommScope 24 Fiber OS2 Loose Tube, depending on manufacturer and specifications.

Corning ALTOS® 24-Fiber Cable

The Corning ALTOS® cable is a 24-fiber, single-mode (OS2), all-dielectric, gel-free loose tube cable designed for outdoor and limited indoor use in aerial and duct installations. It features water-swappable materials for full water blocking, flexible buffer tubes for easy routing, and a medium-density polyethylene (MDPE) jacket that is rugged and easy to strip. The cable is suitable for backbone applications and does not require bonding or grounding (Corning ALTOS®) .

CommScope 24-Fiber OS2 Loose Tube

The CommScope 24-fiber OS2 loose tube cable is an all-dry, all-dielectric, gel-free outdoor cable suitable for direct burial, aerial, and conduit applications. It uses dry water-blocking elements, reduced-diameter buffer tubes, and a MDPE jacket (with optional HDPE). The fibers are color-coded for easy identification, and the cable eliminates the need for filling gels, simplifying installation and improving cleanliness in the work environment .

Other 24-Fiber Outdoor Cable Options...

Article Content

Feb 02, 2026

GYTS 24-144 Core Outdoor Optical Fiber Cable

GYTS outdoor fiber optic cable, is also called multi loose tube steel tape external cable, is consisted of 250um fibers held in oil filled

Mar 04, 2026

Fiber-optic cable

A fiber-optic cable, also known as an optical-fiber cable, is an assembly similar to an electrical cable but

Jan 27, 2026

Loose Tube Outdoor Cable OS2, 24-Core, SC/UPC

Black multi-purpose cable with twentyfour cores, rodent protection and pulling aid on both ends. From a

Jan 21, 2026

ALTOS® Loose Tube, Gel-Free Cable 24 F, Single-mode (OS2)

Corning ALTOS® all-dielectric gel-free cables are designed for outdoor and limited indoor use for backbones in lashed aerial and

Mar 31, 2026

24 Core Outdoor Armored Double Jacket Fiber Optic Cable

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

Sep 15, 2025

Multi-Loose Tube Fiber Cable

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

Oct 04, 2025

24 Strand Singlemode OSP Gel-Filled Fiber Optic Cable

This is an Outdoor gel-filled cable which provides extra protection against water penetration. Its dry

Oct 18, 2025

24 Cores Distribution Fiber Optic Cable

SABA 24 cores distribution fiber optic cable is constructed with loose tube fibers, aramid yarn strength member, LSZH is metal free

Jul 30, 2025

Fibre Optic Cable

View Eland Cables'' range of singlemode and multimode fibre optic cables - loose tube and tight buffered. Technical support, fast

Sep 24, 2025

Fiber™ The Original Stainless Steel Armor Single Mode 24 ...

Micro Armor Fiber™ The Original Stainless Steel Armor Single Mode 24 Fiber 250mm OS2 Armored OSP/Outdoor Polyethylene

Sep 03, 2025

ALTOS® Loose Tube, Gel-Free Cable 24 F, Single

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

Dec 23, 2025

FSSC02460 Technical Data Sheet

Product Description Outdoor Cable, OS2, Central Loose-Tube, 24 Fibers, CM Corrugated Steel Tape Armor, 250 um Fiber

Jul 13, 2026

Fiber Optic Cables | Corning

With 2 billion kilometers of fiber optic cables installed around the globe, Corning continues to lead the industry in product quality and

Jan 02, 2026

24 Core Outdoor Fibre Optic Cable

The 24 Core Outdoor Fiber Optic Cable is a type of optical fiber cable used for outdoor applications. It

Jul 09, 2026

024EU5-T4101D20 | ALTOS® Loose Tube, Gel-Free,

ALTOS® gel-free, double-jacket, single-armored cables are rugged, armored

Apr 21, 2026

Armoured Fibre Optic Cable & FODP

1.0 Description a) This is a reference technical specification for survey, planning, co-ordination with other suppliers' equipment,

Oct 06, 2025

24 Strand Multimode Riser Fiber Optic Cable

More information ***SHIPS WITHIN 4-5 BUSINESS DAYS • FOR CUSTOM LENGTHS
CALL US AT 855-880-8010*** 24 Strand

Oct 08, 2025

Fiber Indoor & Outdoor Cables

Learn more about high-performance indoor/outdoor fiber cables by CommScope.
Enhance connectivity with precision

May 22, 2026

Product Specifications Armored Indoor/Outdoor Plenum Fiber Optic

Tight Buffer Distribution Fiber Optic Cable Cable Cross Section Scope This document
establishes the specification requirements for

Nov 18, 2025

2120124-4 | O-024-LA-8M-M06NS/30G/GY | CommScope

Fiber Optic Outside Plant Cable, 24-core, ECSS (Electro Chrome Coated Steel)
Armored, Loose-tube, Gel-filled, 9/125 µm, OS2,

Oct 30, 2025

Opti-Core Fibre Optic Indoor-Outdoor Armoured Cable 48 to 144

Opti-Core™ Fibre Optic Indoor-Outdoor Armoured Cable 48 to 144-Fibres, EuroClass
Cca and B2ca for EMEA A T A S H E E T

Nov 05, 2025

Opti-Core™ Fibre Optic Indoor-Outdoor 24 Fibre Cable

SPECIFICATIONS in up to 24 fibres and have an all-dielectric loose tube construction.
It shall be suitable for indoor applications,

Sep 29, 2025

24 Fiber Armored Indoor/Outdoor Tight Buffered Cable

This fiber optic indoor/outdoor cable is designed to be flexible enough to be used
indoors & are rugged

Nov 01, 2025

24 Fiber Indoor/Outdoor Tight Buffered Cable

This high-quality fiber optic indoor/outdoor cable comes with a standard UV resistant black PVC outer

May 28, 2026

24 Strand Corning Outdoor Armored Singlemode Fiber Optic Assembly

Our 24 Strand OSP Singlemode QuickTreX® Pre-Terminated Fiber Optic Assemblies Are Made In The USA With Corning Glass By

Aug 07, 2025

Indoor Outdoor Fiber Optic Cables

Indoor/Outdoor Duplex Fiber Patch Cables, Singlemode & Multimode, OM1 OM2 OM3 OM4 OS2, 50/125 9/125 62.5/125,

Aug 07, 2025

Fiber Optic Cables

APPLICATION The cable is specially designed for harsh environments. The internationally known multilayer inner sheath ALPA®

Nov 23, 2025

24 Core Outdoor Fibre Optic Cable

We're one of leading 24 core outdoor fibre optic cable manufacturers and suppliers in China.Source here

Aug 03, 2025

Product Spec Sheet 024ZU4-T4122D20

024ZU4-T4122D20 Corning ALTOS® all-dielectric gel-free cables are designed for outdoor and limited indoor use for

Nov 01, 2025

Fiber Optic Indoor/Outdoor Cables

Our indoor/outdoor cables meet rigorous outdoor environments and can be routed indoors where flame rating applies, eliminating

Jul 30, 2025

Fiber Outside Plant Cables

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

Nov 08, 2025

Product Specifications Armored Indoor/Outdoor Riser Fiber Optic Cable

Scope This document establishes the specification requirements for a 24 (twenty-four) fiber indoor/outdoor distribution armored fiber

Jul 28, 2025

Outside Plant Fiber Optic Cable

Outside Plant Fiber optic cables for outdoor applications are engineered to withstand the more demanding conditions seen outside,

Sep 08, 2025

Fiber Optic Cables

CommScope designs and manufactures a comprehensive line of fiber optic cables—from outside plant to indoor/outdoor and fire

Contact Us

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