

Exported ADSS optical cable OM4



Article Overview

ADSS optical cables with OM4 fibers are all-dielectric, self-supporting aerial cables designed for outdoor use, offering high tensile strength, environmental resilience, and long-distance installation capability.

Cable Structure and Fiber Type

ADSS (All-Dielectric Self-Supporting) cables are designed without metallic components, making them immune to electromagnetic interference. The OM4 designation refers to multimode fibers optimized for high-speed data transmission, typically supporting 10G, 40G, and 100G Ethernet over longer distances than OM3 fibers. The fibers are housed in loose tubes, often filled with a water-blocking gel to prevent moisture ingress, and reinforced with aramid yarns or fiber-reinforced plastic central strength members to bear tensile loads .

Mechanical and Environmental Performance

The mechanical performance of ADSS cables is characterized by:

- Maximum Allowable Tension (MAT) and Every Day Strength (EDS) for long-term operation .
- Ultimate tensile strength provided by aramid yarns, which have an elastic modulus over half that of steel, allowing the cable to withstand strong winds and icing conditions .
- Sag and thermal expansion: ADSS cables exhibit minimal sag variation with temperature changes, and under icing, the cable length may increase by up to 0.6...

Article Content

Aug 12, 2025

Fiber Optic Cable ADSS Leading Manufacturer Excellent Quality

ZMS produces ADSS fiber optic cables with single core and multi-core to achieve high-quality of materials, good value for money,

Aug 21, 2025

ADSS Fiber Optic Cable | All-Dielectric Self-Supporting Aerial Cable ...

AFL-ADSS® (All-Dielectric Self-Supporting) cable is ideal for installation in distribution as well as transmission environments, even

Mar 03, 2026

Fiber Optic OM4 Cable

The outer sheath of ADSS optical cable is AT or PE material. It operates in strong electric field, and there is corrosion problem.

Dec 12, 2025

ADSS Cable Specifications G652D Fiber | PDF | Optical Fiber ...

ADSS optic fiber cable 48 G652D core - Free download as PDF File (.pdf), Text File (.txt) or read online for free. This document

Dec 09, 2025

adss,asu,indoor/outdoor fiber optic cable manufacturers|China oufu

Oufu communication cable Co. Ltd is a leading manufacturer of fiber optic cable, specializing in outdoor optical cable and indoor

May 16, 2026

ADSS optical fibre cable

These FlexTube® outdoor All Dielectric Self-Supported (ADSS) optical fibre cables are optimized for aerial installation and for

Aug 15, 2025

SOLO® ADSS Medium-Span, Loose Tube, Gel-Filled Cable

Corning SOLO® ADSS medium-span cables are all-dielectric, self-supporting (ADSS) cables designed for easy and economical one

Sep 27, 2025

Optical Fibre Cable Technical Specification

The mechanical and environmental performance of the cable are in accordance with the following table. Unless otherwise specified,

Jan 25, 2026

Double Jacket ADSS Cable Aerial Outdoor 12/24/36/48/96 Core

Fiber Double Jackets ADSS Fiber Optic Cable; Fiber Type: ITU G652D,G657A,OM1,OM2,OM3,OM4; Fiber Count:2-288Core Is

Apr 23, 2026

OM4 Multimode Cables

OM4 Multimode Cables are high-performance optical fiber cables with a 50µm core, supporting up to 400 meters at 10 Gbps and 150

Jan 06, 2026

OPTICAL FIBER CABLE SPECIFICATION (ADSS-Span= 100m)

1. General 1.1 The specification covers the construction and properties of single mode optical fiber cable.

Sep 27, 2025

Fiber Optic Cable Manufacturer in the World Lead

Yeesun is a fiber optic cable manufacturer in the world lead,Our fiber optic cable are exported to countries

Jun 23, 2026

The structure and characteristics of ADSS optical cables

ADSS (All-Dielectric Self-Supporting) optical cables are a type of fiber optic cable designed for aerial installations

Jan 01, 2026

The Detail Introduction of ADSS Fiber Optical Cable

At present, there are two main forms of laying optical cables on overhead transmission lines: optical fiber

Apr 30, 2026

Newlink Fiber Optic Cables

NEWLINK Armored Fiber Optic Cables are the perfect choice for direct-buried installations when extra mechanical requirements exists.

Apr 24, 2026

SOLO ADSS Medium-Span Cables, 12-144 Fibers

cient and craft-friendly cable preparation. While the concentric, self-supporting cable design allows easy, one-step

Feb 04, 2026

GAAEE84 Technical Data Sheet

Outdoor dry core (ADSS) optical fiber Multi Loose Tube cable with aramid yarns as strength member and polyethylene outer jacket.

Jan 12, 2026

Item # ADSS-4, ADSS All Dielectric Self-Supporting Fiber Optic Cable

The ""All Dielectric Self-Supporting (ADSS)"" cables are designed for aerial self-supporting applications at short, medium and long

Nov 19, 2025

ADSS Fiber Optic Cable Specifications

The document provides specifications for the ADSS-12f optical fiber cable, which is designed for aerial installation with a span of up

Jul 22, 2026

ADSS optical cable characteristics

ADSS, or all-dielectric self-supporting, optical cable is a type of fiber optic cable that is designed for use in outdoor

Jun 27, 2026

ADSS Optical Fiber Cables Manufacturer

Explore ADSS optical fiber cables: self-supporting, customizable sheath, multiple fiber counts, PE/LSZH jacket. Ideal for aerial

Sep 06, 2025

Data Sheet MAX 4-1

ALL-DIELECTRIC-4 Armored-4 SINGLE JACKET ADSS OM4 MULTI MODE CABLES
DOUBLE JACKET SINGLE ARMORED OM4

Dec 10, 2025

ADSS Fiber Optic Cable | All-Dielectric Self-Supporting

AFL-ADSS ® (All-Dielectric Self-Supporting) fiber optic cable is designed for outside plant aerial

Aug 25, 2025

Multi-Loose Tube Fiber Cable

Outdoor dry core (ADSS) optical fiber Multi Loose Tube cable with aramid yarns as strength member and polyethylene outer jacket.

Contact Us

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