

# Greek Large Core Fiber ADSS



## Overview

3 Fiber Count 96 CORES Fiber Type Single-mode/G625D Strength Member Material FRP/ARMID YARN Jacket Color Black Outer/Inner Sheath Material LSZH Installation Method Aerial Warranty Period 25 years Product Description

Attribute Value Item no. AFL-ADSS® (All-Dielectric Self-Supporting) cable is ideal for installation in distribution as well as transmission environments. All-dielectric self-supporting (ADSS) cable is a type of optical fiber cable that is strong enough to support itself between structures without using conductive metal elements. It is used by electrical utility companies as a communications medium, installed along existing overhead transmission. In the realm of aerial fiber optic infrastructure—where cables must withstand harsh weather, high voltages, and mechanical stress—ADSS (All Dielectric Self-Supporting) fiber optic cables stand out as a game-changer. This type of cable does not need a messenger to support it, so it can be installed in a single pass.



## Article Content

Nov 07, 2025

### ADSS Fiber Optic Cable

GL FIBER" ADSS cable Using A-grade fiber core, the attenuation and dispersion characteristics are fully optimized, and precise geometric parameters ensure low splicing loss and high splicing efficiency.

Feb 01, 2026

### All-dielectric self-supporting cable

OverviewConstruction detailsAccessories and installationApplication issues

All-dielectric self-supporting (ADSS) cable is a type of optical fiber cable that is strong enough to support itself between structures without using conductive metal elements. It is used by electrical utility companies as a communications medium, installed along existing overhead transmission lines and often sharing the same support structures as the electrical conductors. ADSS is an alternative to OPGW and OPAC with lower installation cost. The cables are designed to be s...

Jan 01, 2026

### All Dielectric Self Supporting Fibre Cable (ADSS)

ADSS cable's full name is All Dielectric Self Supporting Cable, which is also called non-metallic all-dielectric self-supporting fiber optic cable. It is widely used in power communication systems for its ...

Apr 14, 2026

### All-dielectric self-supporting cable

ADSS is an alternative to OPGW and OPAC with lower installation cost. The cables are designed to be strong enough to allow lengths of up to 700 metres to be installed between support towers.

Oct 31, 2025

### All-dielectric Self-supporting cable (ADSS) with Enhanced All ...

A large number of cores; lightweight; can be erected on the same tower with the power line; saving resources. Construction and maintenance are convenient, power cut is not needed most of the time. ...

Sep 07, 2025

AFL-ADSS® (All-Dielectric Self-Supporting) fiber optic cable is a non ...

As its name indicates, there is no support or messenger wire required, so installation is achieved in a single pass, making ADSS an economical and simple means of building a fiber optic network.

Jul 03, 2026

All-dielectric Self-supporting cable (ADSS) with ...

A large number of cores; lightweight; can be erected on the same tower with the power line; saving resources. Construction and maintenance are convenient, ...

Sep 12, 2025

ADSS Fiber Optic Cable: What They

2. Core Structures of ADSS Fiber Optic Cable ADSS cables are manufactured in two primary structural designs— central tube and layered twist —each optimized for specific span ...

Apr 30, 2026

ADSS Fiber Optic Cable

High-strength ADSS aerial fiber optic cable with 30-year lifespan. All-dielectric design for safe power line installation. 100m span capacity, G.652D single-mode fibers.

Mar 18, 2026

96 Core ADSS Fiber Optic Cable Single-Mode Aerial Installation

The tubes are stranded around FRP (Fibre Reinforced Plastic) central strength member, forming a compact cable core. After filling with compound, it's covered with PE inner sheath, reinforced with ...

Sep 29, 2025

All Dielectric Self Supporting (ADSS) Cable

All-Dielectric Self-Supporting (ADSS) cable is designed for outside plant aerial and duct applications in local and campus network loop architectures. A separate messenger support wire hanging system is ...

## Contact Us

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