

Spiral Vibration Damper

Variants

8- 11mm

Details

Helical Vibration Damper (Vibration Absorber)

The **Helical Vibration Damper**, also known as a **Vibration Absorber**, is designed to reduce Aeolian vibration in overhead ADSS and OPGW fiber optic cables. By absorbing and dissipating wind-induced vibration energy, it helps extend cable service life and protects fiber optic infrastructure from long-term mechanical fatigue.

Manufactured from **high-strength, anti-aging, high-elasticity PVC**, the damper is lightweight, corrosion resistant, UV resistant, and easy to install without special tools. Its interference-type damping design effectively minimizes cable vibration through controlled impact within the damping section, making it ideal for aerial fiber optic installations.

Quick Specifications

Material

High-Elastic PVC

Application

ADSS / OPGW

Installation

Tool-Free

Function

Wind Vibration Protection

Key Features

Designed for ADSS and OPGW fiber optic cables

Reduces Aeolian wind-induced cable vibration

Manufactured from high-strength PVC material

Excellent anti-aging performance

High elasticity for long service life

Interference-type vibration damping design

Easy installation without special tools

UV and weather resistant

Corrosion-free non-metallic construction

Protects cable and fittings from fatigue damage

Technical Specifications

Model	Cable Diameter	Gripping Length (L1)	Total Length (L)	Weight
FTL-11	8.3 – 11.7 mm	250 mm	1300 mm	0.28 kg
FTL-14	11.71 – 14.30 mm	250 mm	1350 mm	0.30 kg
FTL-16	14.31 – 19.30 mm	330 mm	1670 mm	0.66 kg

General Specifications

Product Name	Helical Vibration Damper
Alternative Name	Vibration Absorber
Material	High-Strength, Anti-Aging, High-Elasticity PVC
Damper Type	Interference Type
Suitable Cable	ADSS & OPGW Fiber Optic Cable
Installation	Manual Installation
Main Function	Reduce Wind-Induced Cable Vibration

Applications

ADSS Networks

Protects aerial ADSS fiber optic cables from wind-induced vibration.

OPGW Networks

Suitable for OPGW cable installations requiring vibration protection.

Utility & Telecom

Used in power transmission, ISP, telecom, and backbone fiber networks.

Outdoor Fiber Infrastructure

Ideal for long-span aerial fiber optic installations exposed to wind vibration.

Installation Recommendation

Select the vibration damper model according to the **actual cable diameter**.

Install the damper near suspension or tension clamps following the cable manufacturer's recommendations. For long-span installations or areas with high wind speeds, multiple dampers may be required to achieve effective vibration suppression and maximize cable service life.