

Article Overview

The price of optical cable tension fittings varies widely depending on type, material, and application, typically ranging from tens to hundreds of dollars per unit.

Types of Tension Fittings

- o **Preformed Tension Clamps / Dead-End Clamps** These clamps are used to secure OPGW or ADSS cables to towers or poles, distributing stress evenly to prevent fiber damage. They are suitable for cables with rated tensile strengths up to 160 kN and are made from aluminum or galvanized steel for corrosion resistance .
- o **Wedge-Shaped Tension Wire Clamps** Wedge clamps feature a thermoplastic body with insulating wedges and stainless steel bail ends. They are designed for easy assembly and high mechanical and climatic resistance, ensuring the cable insulation is not damaged during installation .
- o **Double Tension Assemblies** These fittings allow two OPGW cables to pass through a common tension point, simplifying installation and reducing the number of fittings required. They are made from high-strength aluminum alloy and are suitable for high-voltage applications (33 kV to 400 kV), .

Factors Affecting Price

- o **Material:** Aluminum fittings are lighter and corrosion-resistant, while galvanized steel may be more robust but heavier.
- o **Cable Diameter and Tensile Strength:** Larger or higher-strength cables require more robust fittings, increasing cost.
- o **Voltage Level:** Fittings for higher-voltage lines (220 kV, 400 kV) are engineered to withstand greater mechanical and environmental stress, which can raise the price.
- o **Supplier and Certification:** ISO-certified manufacturers or suppliers offering pre-tested fittings may charge a premium for quality assurance .
- o **Quantity and Bulk Orders:** Prices per unit often decrease with larger orders.

Typical Price Range

While exact prices vary by supplier and region, preformed tension clamps and wedge-shaped clamps generally cost between \$50 and \$200 per unit, whereas double tension assemblies for high-voltage OPGW lines can range from \$150 to \$500 or more per unit, depending on specifications and certifications . For precise pricing, it is recommended to contact manufacturers or distributors directly, such as GL Fiber, Huaneng, or Fiber Distribution Box, providing details on cable type, diameter, and installation requirements.

FTTH Installation Fittings ADSS Cable Steel Helical Tension Clamp Dead End Spiral Clamp Preformed Guy

Price of optical cable tension fittings

Grip Preformados Fibra

OPGW hardware fittings. We manufacture a wide range of OPGW hardware, including suspension and tensioning assemblies and

Helical Tension Set for OPGW Helical Tension Set is mainly used in optical cable installation on strain tower, angle tower and dead

MM Powerline Transmission - Offering Tension / Dead End Hardware / Tension Assembly For OPGW Cable, Thread Tension

We offer a full range of AB Cable (Aerial Bundled Cable) accessories and fittings which conform to NFC and IEC standards. These

ADSS Installation Accessories ADSS Anchor Tension Clamps ADSS Anchor Tension Clamps are

We also offer a range of OPGW fittings and accessories such as suspension and dead-end fittings, vibration dampers, splice

Find high-quality fiber optic cable fittings for your network. Shop our range of ADSS tension clamps, OPGW accessories, and more.

Fiber optic cable tensioner, close to \$0.15 each, ideal for drop cable wire clamps. Wholesale available, start with minimum order of 1

ADSS suspension clamp is a heavy duty, versatile, and reliable solution for securely suspending ADSS (All Dielectric Self-Support)

Fiber Optic Tension Clamps: Secure and Reliable Cable Support Tension clamps are designed to provide secure and reliable

OPGW Hardware Fittings The OPGW Hardware Fittings are instrument used for surge protection of communication and transmission

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ZION Communication focuses on optical fiber cable hardware products, offering FTTH and ADSS series



Price of optical cable tension fittings

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