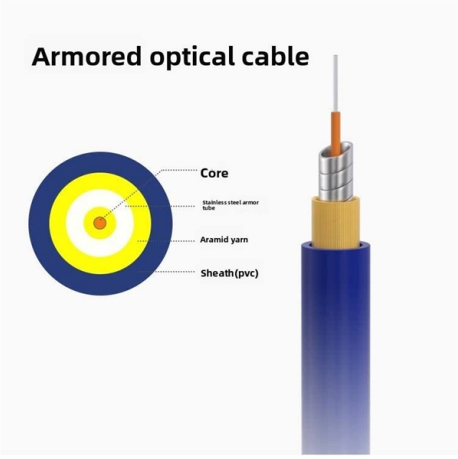
Pre-twisted wires for optical cable accessories



Overview

The pre-twisted protective wire or repair strip can be used as a repair strip to repair the damaged wire and restore its original mechanical strength and electrical conductivity.

Key Takeaways

Pre-twisted wire accessories are specialized clamps and fittings designed to securely suspend, anchor, and protect ADSS and OPGW optical cables on poles and towers. Purpose and FunctionPre-twisted wire accessories are used to suspend, anchor, and protect optical cables in overhead installations. They prevent cable damage, ensure uniform stress distribution, and enhance stability under environmental loads such as wind, ice, or vibration.

These accessories are essential for maintaining the integrity of fiber optic communication lines, especially in long spans, corner towers, or heavy ice areas.

Types of Pre-

Twisted Wire Accessories

Tension Clamps (Dead-End Clamps): Used to anchor cables at terminal towers or tight-line tension points. Composed of inner and outer stranded wires with a pull ring. Grip strength can reach over 95% of the cable's ultimate tensile strength without causing stress concentration or vibration damage.

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Suspension Clamps: Used to hang cables on insulator strings or pole towers. Can replace traditional boat-type suspension clamps. Features include large grip force, lightweight design, small corona, and minimal magnetic loss, suitable for high-voltage lines and long spans.

Backup Clamps for OPG

W: Provide additional safety in critical crossing spans. Pre-twisted wires form a hollow tube with sand-coated inner surfaces for secure grip. Available in single-layer or two-layer designs depending on load and span requirements.

Down-

Lead Clamps and Joint Boxes: Used for fixed installation of cables leading up or down poles. Protect fiber joints and store reserved fibers, preventing environmental damage. Available in hat-type or horizontal optical cable joint boxes.

Installation Considerations

Span Lengths: Short spans (200m): double-layer pre-twisted wire suspension clamps with armor grip and vibration dampers. Angle of Installation: Recommended for line corners ≤30°; tangent installations ≤15° for horizontal or vertical changes. Material: Aluminum-clad steel or high-impact PVC for durability, earthquake resistance, and environmental protection.

Key Features

Uniform stress distribution to prevent cable wear. High grip strength without damaging fibers. Lightweight and corrosion-resistant materials.

Suitable for high-voltage lines, heavy ice areas, and long-span projects. Can include accessories like vibration dampers, thimbles, D-shackles, and pole attachments for enhanced stability. Pre-twisted wire accessories are critical for reliable, long-term performance of overhead optical cables, ensuring both mechanical stability and fiber protection in diverse environmental conditions.

Article Content

ADSS OPGW Fiber Optic Cable Hardware

The pre-twisted protective wire or repair strip can be used as a repair strip to repair the damaged wire and restore its original mechanical strength and electrical conductivity.

Fiber Optic Fittings

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We offer various types of ADSS/OPGW accessories and reinforced fiber for exteriors including fiber optic retention fittings, fiber optic suspension fittings, bird flight diverter, performed hardware, lead down

FITTINGS ACCESSORIES

The aluminum-clad steel pre-twisted wire protects the ADSS optical cable and improves the earthquake resistance. This product is used for to play a supporting role, to suspend the all-dielectric self

Formed Wire

Guy grip has formed legs using grits on each turn that reserve the conductor wire or fiber optic cable. It is used to link and grip grounding cable, the conductor and

Optical Ground Wire (OPGW) Fiber Optic Cable Hardware

Furnished with four plugged cable ports (2 aluminum and 2 plastic) for either All-Dielectric Self-Supporting (ADSS) or Optical Ground Wire (OPGW) cables, the splice enclosure can be pre

ADSS Optical Cable Pre Twisted Wire, Cable Tension Clamp

It is not only suitable for aerial optical cables, but also for anchoring and installation of aerial wires, stay wires, etc., as well as for use as traction clamps in optical cable construction.

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18 AWG wire is widely used for a variety of electrical projects. The article gives a detailed look at the 18 AWG cable, including its features, types,

Rack Mount Cable Management

Master rack mount cable management for server rack cabling.Learn tips, steps, and tools to keep your cables organized and boost efficiency.

Types of Electrical Wires and Cables

Not only the electrical sector uses cables and wires for power transmission and distribution to our house and industries, the Telecom sector also relies on

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Cable Laying: Everyting You Must Know

When laying fiber optic and electrical cables within the same conduit, plastic sub-ducts should be pre-installed in concealed conduits. Fiber optics should be laid within these sub-ducts to separate them

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