HTLS Overhead Conductor Greases (High-Temperature Low-Sag) are specialized, high-performance, non-conductive filling/lubricating compounds designed exclusively for HTLS overhead power conductors (e.g., ACSS, Gap-type, ACCC, ACCR). They operate at far higher temperatures than standard ACSR/OPGW greases and enable HTLS conductors to run at 150–250°C with minimal sag, while protecting internal components.

dfgdfghdfhfghdfghdfhfdghgfdhfh

Core Purpose & Key Functions

- Extreme high-temperature stability: No dripping, oil separation, or hardening at 150–250°C (critical for HTLS's high-current operation).
- Galvanic & corrosion protection: Seals moisture/salt/industrial pollutants; prevents corrosion between dissimilar metals (aluminum alloy, steel, composite cores).
- Inter-strand lubrication & anti-wear: Reduces fretting, vibration fatigue, and strand damage under wind/ice/thermal cycling.
- Gap filling & water blocking: Fills inter-strand gaps and (in Gap-type HTLS) the central thermal expansion gap to block water and stabilize structure.
- Thermal & oxidative resistance: Resists breakdown under long-term high heat and UV exposure.

- Electrical compatibility: Non-conductive, does not affect current-carrying or grounding performance.

  fgddgdgdgddgdgdgdfgd

dgdgfsdfhdshshsdhs

Features and Benefits

》 Minimizes oil bleed during normal operation and post – fault conditions of transmission lines.

》 Provides superior corrosion protection for conductors in diverse environments, including coastal high – salt zones, heavy industrial pollution areas, and high – humidity and heat regions.

》 Tailored formulations cover full temperature range from ambient to 240°C for transmission line operations.

》High – temperature specialized synthetic grease resists oil separation and stays stable under extreme heat.

》It has exceptional low – temperature stability, preventing cracking down to – 60°C.

》With outstanding oxidation resistance and anti – aging properties, it extends service life.》Complies with GB/T 36292 – 2018, BS EN 50326 – 2002, and IEC 61394 – 2011 standards.

dddhdhdhdfhdhdfhd

Technical Data

Items	OPS20A120	OPS40A120	OPS20A18
Description	20A120	40A120	20A180
Max. Temp. Rating	120° C	120° C	180° C
Min. Temp. Rating	20° C	40° C	20° C
Drop Point	>280° C	>280° C	>300° C
Application	ACSR&OPGW	ACSR&OPGW	ACSR&OPG
EN 50326 Compliant	Yes	Yes	Yes
IEC 61394 Compliant	Yes	Yes	Yes
IGB/T 36292 Compliant	Yes	Yes	Yes