



HENAN OPSTECH GREASE CO., LTD.
Founded 1978 | 40+ Years of Expertise

20,000

tons / year

40+

export countries

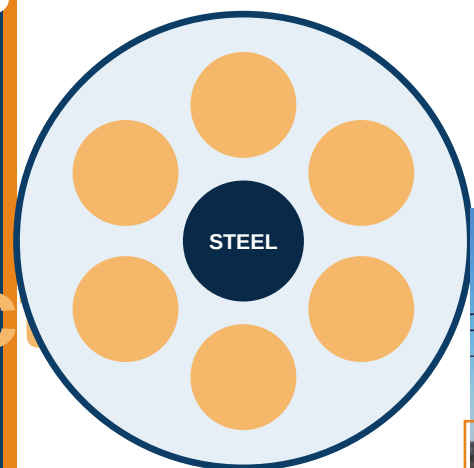
Engineered Greases & Lubricants for Overhead Conductors

Corrosion-protection grease for ACSR, OPGW,

HTLS and overhead transmission conductors.

Compliant with IEC 61394, BS EN 50326,

and GB/T 36292.



ACSR Conductor Grease



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About OPSTECH

A Specialist Manufacturer of Overhead Conductor Grease & Industrial Lubricants

Founded in 1978, **OPSTECH (Henan Opstech Grease Co., Ltd.)** is a manufacturer specializing in industrial greases and lubricant oils. For more than 40 years, the company has been focusing on the research, development, production, and application of lubrication products. Our main products include overhead conductor greases for ACSR, OPGW, and HTLS conductors, as well as wire drawing lubricants for cable and metal processing industries.



1978 Founded Over 40 years of grease & lubricant specialisation.	20,000 t Capacity Modern automated lines; stable, scalable supply.	40+ Countries Around 70% of products exported worldwide.	GB/T 36292 Standard Core drafting unit for China's national standard.
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Manufacturing & R&D Capability

OPSTECH operates a complete production system Equipped with **50+** R&D/testing instruments, **10** covering formulation development, testing, blending, automatic blending systems, and **6** automated production lines, annual output reaches ~20,000 tons.

Company Recognition

Henan Provincial Specialized & Innovative Enterprise	Henan Provincial Green Lubricant Engineering Technology Research Center	Henan Provincial Gazelle Enterprise
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Why OPSTECH

Proven Expertise. Engineered Performance. Global Trust.

Overhead conductors operate in some of the harshest environments imaginable – coastal salt spray, industrial pollution, humidity cycles, extreme temperatures, and continuous mechanical stress. Choosing the right protection grease is essential to conductor reliability, safety, and service life. Here is why partners worldwide choose OPSTECH:

40+ Years of Specialization

Founded in 1978, OPSTECH has focused continuously on industrial grease and lubricant technology for more than four decades.

Core Drafter of National Standards

OPSTECH contributed to the drafting of GB/T 36292 – 2018, China's national standard for overhead conductor corrosion-protection grease.

High-Performance Formulations

Greases specifically engineered for ACSR, OPGW, and HTLS conductors – with proven field performance in coastal, tropical and industrial zones.

International Compliance

Products comply with IEC 61394, BS EN 50326 and GB/T 36292, meeting the requirements of power utilities and cable manufacturers worldwide.

Strong R&D; and Production Capacity

50+ R&D; and testing instruments, 10 automatic blending systems, and 6 automated production lines – with an annual output of ~20,000 tons.

End-to-End Service

Beyond supply, we provide lab testing, operator training, and on-call technical support – at every stage of your project.

Global Export Track Record

Around 70% of products are exported to more than 40 countries, supported by regional experience in varied climatic conditions.

Customized Formulations

Stable production systems allow us to tailor grease specifications to your conductor type, climate, and installation requirements.

“OPSTECH greases protect overhead conductors in some of the world's most demanding transmission environments – from high-altitude mountain crossings to coastal and offshore power grids.”

Product Portfolio

Engineered Protection for Every Overhead Conductor & Wire Drawing Line

OPSTECH's product line is built around two pillars: **overhead conductor protection greases** for ACSR, OPGW and HTLS transmission systems, and **wire drawing lubricants** for aluminium and copper cable manufacturing. Each product is the result of decades of formulation expertise, backed by rigorous lab testing and field validation.

Overhead Conductor Protection Greases



ACSR Conductor Grease

Aluminium Conductor Steel Reinforced

- Forms a durable moisture barrier inside ACSR conductors
- Protects galvanized steel core from long-term corrosion
- Reduces galvanic corrosion between steel and aluminium
- Suitable for coastal, tropical & industrial environments
- Compliant with IEC 61394, BS EN 50326, GB/T 36292



OPGW Conductor Grease

Optical Ground Wire Cables

- Engineered for OPGW communication + grounding cables
- Resists rain, humidity, salt spray and UV exposure
- Protects internal metallic components over decades
- Maintains long-term stability without drying or cracking
- Compatible with standard cable-manufacturing processes

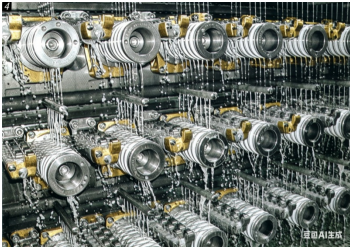


HTLS Conductor Grease

High Temperature Low Sag Conductors

- Stable at continuous operating temperatures up to 240 °C
- Designed for next-generation high-capacity transmission lines
- Minimises sag under high current and high temperature
- Compatible with composite core & advanced alloy designs
- Supports higher current capacity without new corridors

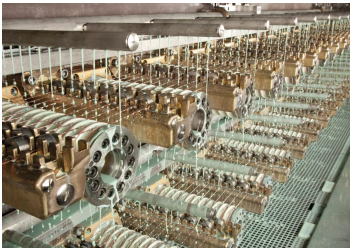
Wire Drawing Lubricants



Aluminium Wire Drawing Lubricant

Cold Drawing of Pure Aluminium & Aluminium Alloys

- Reduces friction between wire and drawing dies
- Improves surface quality and consistency of drawn wire
- Extends die life and lowers maintenance cost
- Optimised for both single and multi-die setups
- Stable emulsion and long bath life in production



Copper Wire Drawing Lubricant

Copper Wire & Cable Manufacturing

- Engineered for fine, medium and heavy copper wire drawing
- Provides excellent lubricity and cooling performance
- Improves productivity and production stability
- Helps achieve bright, clean wire surfaces after drawing
- Compatible with enamelling, plating and stranding lines

Technical Specifications

ACSR / OPGW / HTLS Overhead Conductor Grease Series

The OPS series below covers the most commonly specified OPSTECH conductor grease grades. Each grade is engineered to provide stable protection across its rated temperature range, with consistent performance validated against international standards.

Items	OPS 20A120	OPS 40A120	OPS 20A180	OPS 40A180	OPS 60A180	OPS 40A240
Description	20A120	40A120	20A180	40A180	60A180	40A240
Max. Temperature Rating	120 °C	120 °C	180 °C	180 °C	180 °C	240 °C
Min. Temperature Rating	20 °C	40 °C	20 °C	40 °C	60 °C	40 °C
Drop Point	> 280 °C	> 280 °C	> 300 °C	> 300 °C	> 300 °C	> 330 °C
Recommended Application	ACSR & OPGW	ACSR & OPGW	ACSR & OPGW	ACSR & OPGW	OPGW	HTLS
EN 50326 Compliant	✓	✓	✓	✓	✓	✓
IEC 61394 Compliant	✓	✓	✓	✓	✓	✓
GB/T 36292 Compliant	✓	✓	✓	✓	✓	✓

Note: Specifications shown are typical values. Tailor-made grades are available on request. Every production batch is routine-tested for consistent field performance.

Compliance & Quality

All OPSTECH overhead conductor greases are manufactured under a strict quality management system and meet the following international standards:

IEC 61394 Overhead line conductor greases	BS EN 50326 European specification for conductor greases	GB/T 36292-2018 China national standard – drafted with OPSTECH participation
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Application in Real-World Transmission Lines

Grease applied inside ACSR conductors at the stranding line for long-term protection.

Typical Applications

Proven Performance Across the World's Most Demanding Environments

OPSTECH conductor greases are engineered to perform reliably across a wide spectrum of transmission line and cable-manufacturing applications.

- ACSR overhead transmission & distribution lines
 - High-voltage transmission corridors
 - River-crossing and long-span transmission projects
 - Coastal power grids and offshore links
 - Industrial pollution areas
 - High-humidity tropical regions
- Aluminium & copper cable manufacturing
 - Pure aluminium and aluminium alloy wire drawing
 - New conductor production lines
 - Maintenance & refurbishment of existing lines
 - Conductor joints, accessories & connectors
 - Wire drawing for power, telecom and magnet wire

Engineered for Harsh Service Environments

Coastal Salt spray & marine air	Tropical High humidity & heat	Industrial Pollutant exposure
Desert UV & temperature cycling	High Altitude Extreme temperature swing	Substation Joint & termination grease

Services & Support

More Than a Manufacturer – A Long-Term Partner

OPSTECH's commitment does not end at delivery. We support customers throughout the entire product lifecycle, helping you select the right grease, apply it correctly, and maintain long-term transmission line performance.

01

Lab Testing

Data-driven performance validation

OPSTECH provides laboratory testing services to evaluate the performance and quality of overhead conductor greases, including ACSR, OPGW, HTLS and other protective grease products. Our lab tests cover drop point, penetration, water resistance, salt-spray performance, oxidation stability and more.

02

Operator Training

Hands-on guidance for correct application

We provide operator training and technical guidance to help customers correctly handle, apply, and maintain overhead conductor greases. Training covers product characteristics, application methods, storage requirements, and important precautions during use – ensuring consistent field protection.

03

Technical Support

From selection to long-term service

Our technical team supports customers in selecting, applying, and maintaining suitable corrosion-protection greases for different transmission environments. Whether for new transmission projects, cable manufacturing, or replacement requirements, OPSTECH delivers practical technical assistance based on real-world application experience.



Field Engineering & Application Expertise

On-site support, application guidance, and joint problem-solving for cable manufacturers and utilities worldwide.

Global Reach

Protecting Power Infrastructure Across 40+ Countries

OPSTECH focuses on the production of industrial greases and lubricant oils, with overhead conductor protection grease as its key product line. Around **70%** of our conductor grease products are exported to overseas markets covering more than 40 countries, while the remaining products are supplied to cable manufacturers in China.



Regional Applications

Southeast Asia

Tropical humidity, monsoon rain, salt-laden coastal air

Middle East & Africa

High temperatures, sand, and UV exposure

North America

Wide climate range, urban and remote corridors

Latin America

Coastal salt spray and tropical conditions

Europe & CIS

Cold winters, ice, and pollution near industrial zones

Oceania

Coastal lines, UV-intensive environments

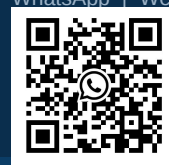
Let's Talk About Your Project.

Share your application and production conditions. Our team will respond with suitable recommendations tailored to your needs.

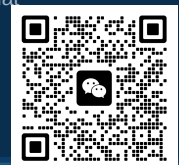
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