

OPSTECH

ACSR Overhead Conductor Grease

Corrosion Protection Grease for ACSR Conductors

Long-lasting corrosion protection for aluminum conductor steel reinforced (ACSR) transmission lines — blocking moisture, oxygen and salt spray to safeguard the bond between steel cores and aluminum strands.

Product Overview

OPSTECH ACSR Overhead Conductor Grease is purpose-engineered for aluminum conductor steel reinforced (ACSR) transmission lines. It forms a durable moisture barrier inside the conductor, protecting the galvanized steel core against corrosion and slowing galvanic oxidation between steel and aluminum. Suitable for both new-conductor manufacturing and field maintenance, it performs reliably in coastal, industrial, tropical and high-humidity environments. Backed by more than four decades of grease manufacturing experience, OPSTECH supplies cable makers and power utilities worldwide with products that comply with IEC 61394, BS EN 50326 and GB/T 36292.

40+	6	3	Worldwide
Years of grease manufacturing expertise	Series covering every application	Major international standards met	Cable makers & power utilities

Why ACSR Conductors Need Protective Grease

- Seals the conductor against moisture, oxygen and corrosive contaminants.
- Protects the galvanized steel core from corrosion.
- Reduces galvanic corrosion between aluminum and steel.
- Extends conductor service life and lowers total cost of ownership.

Features & Technical Data

Excellent Corrosion Protection

Continuous barrier isolating metal surfaces from water, oxygen and pollutants.

Strong Water Resistance

Stays stable under heavy rain, high humidity and coastal exposure; not easily washed away.

Long-Term Stability

Resists drying, cracking, hardening or oil separation over the service life.

Good Material Compatibility

Compatible with galvanized steel wires, aluminum strands and standard stranding processes.

Wide Temperature Range

Operates from -40 °C up to 240 °C, covering extreme cold to high-heat environments.

Easy Application

Suitable for both factory grease filling during stranding and on-site service work.

Technical Data

Item	OPS20A120	OPS40A120	OPS20A180	OPS40A180	OPS60A180	OPS40A240
Max. Operating Temp.	120 °C	120 °C	180 °C	180 °C	180 °C	240 °C
Min. Operating Temp.	-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 Use	ACSR/OPGW	ACSR/OPGW	ACSR/OPGW	ACSR/OPGW	OPGW	HTLS
EN 50326 Compliant	✓	✓	✓	✓	✓	✓
IEC 61394 Compliant	✓	✓	✓	✓	✓	✓
GB/T 36292 Compliant	✓	✓	✓	✓	✓	✓

Note: Values are typical and can be tailored per customer requirement. Every batch is quality-inspected before delivery.

Typical Applications, Compliance & Contact

Typical Applications

ACSR Overhead Conductors Grease filling during new-conductor manufacturing	HV Transmission Lines Backbone grid long-term corrosion protection	Distribution Networks Urban and rural distribution upgrades & maintenance
River / River-Crossing High humidity and large-span environments	Coastal Power Grids Severe salt-spray exposure zones	Industrial Pollution Chemical plants, SO ₂ and corrosive atmospheres
Tropical / High Humidity Long rainy seasons, persistent humidity	New Conductor Production In-process filling during wire stranding	Service & Refurbishment Condition-based maintenance and life extension

Compliance & Quality

IEC 61394 International standard for overhead conductor greases (IEC)

BS EN 50326 European standard for conductor anti-corrosion grease

GB/T 36292 Chinese national standard for overhead conductor grease

Contact Us

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Request a Quote

Call or email us — our engineers will recommend the right grade for your line.