

# JAX BIO-GUARD™ WIRE ROPE LUBE 00

ENVIRONMENTALLY ACCEPTABLE GREASE  
FOR WIRE ROPE AND CABLE



INDUSTRIAL

## PRODUCT DESCRIPTION

JAX Bio-Guard Wire Rope Lube 00 is an EAL, Vessel General Permit-compliant wire rope and cable grease utilizing carefully selected biobased vegetable oil, an aluminum complex thickener and the latest in additive technology. Designed to provide excellent rust and corrosion protection while minimizing both internal and external wear, JAX Bio-Guard Wire Rope Lube 00 is an excellent choice for the most demanding industrial wire rope and cable applications where there is a potential for environmental impact.

## PRODUCT BENEFITS

- **Conforms to Major Environmental Standards** – Custom formulated to provide excellent protection of wire ropes and cables while meeting the latest EAL standards including Vessel General Permit for Discharges Incidental to Normal Operation of Vessels (VGP). JAX Bio-Guard Wire Rope Lube 00 passes OECD 301 B – Test of Ready Biodegradability, OECD 202 – Test of Aquatic Toxicity based on Daphnia Magna and OECD 208 – Terrestrial Plant Toxicity Test. Additionally, JAX Bio-Guard Wire Rope Lube 00 meets the requirements of OECD 305 - Non-Bioaccumulation and has a biobased content over 80% according to ASTM D 6866.
- **Excellent Water Resistance** – A coating lubricant designed to penetrate slightly and seal the outside of the wire rope or cable from moisture. JAX Bio-Guard Wire Rope Lube 00 adheres to the steel strands, forming a tenacious film, maintaining a protective coating and improving water washout and water spray-off resistance.
- **Superior Rust and Corrosion Protection** – Most wire ropes and cable applications in the marine industry are exposed to harsh environments including corrosive seawater. JAX Bio-Guard Wire Rope Lube 00 is specifically designed to seal the surface, providing a protective lubricating film and minimizing deterioration due to rust and corrosion.
- **Extreme-Pressure and Antiwear Performance** – Wire ropes and cables are continuously exposed to a variety of loads and pressures, causing the braided strands to move against each other. To resist internal wear of these strands, JAX Bio-Guard Wire Rope Lube 00 is fully formulated with proprietary, environmentally-safe extreme-pressure and antiwear additives.

## APPLICATIONS

- Excellent choice for the most demanding industrial wire rope and cable applications where there is a potential for environmental impact.

## COMPATIBILITY

Grease compatibility studies have shown that JAX Bio-Guard Wire Rope Lube 00 possesses good compatibility with many popular wire rope lubricants currently on the market. Please contact your JAX Sales Representative with questions regarding specific applications.

## MEETS EAL REQUIREMENTS

- US EPA Requirements for EAL Lubricants which meet Vessel General Permit for Discharge Incidental to the Normal Operation of Vessels (VGP)
- OECD 301 B – Test of Ready Biodegradability
- OECD 202 – Test of Aquatic Toxicity based on Daphnia Magna
- OECD 208 – Terrestrial Plant Toxicity Test
- OECD 305 - Non-Bioaccumulation



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TYPICAL PROPERTIES	BIO-GUARD WIRE ROPE 00	METHOD
NLGI Grade	00	
Penetration, Unworked	400-430	ASTM D 217
Penetration, Worked	400-430	ASTM D 217
Dropping Point, °F (°C), min	455 (235)	ASTM D 2265
Oil Separation Test, %	<10	ASTM D 1742
Base Fluid Viscosity @ 40°C, cSt	130	ASTM D 445
Base Fluid Viscosity @ 100°C, cSt	22	ASTM D 445
Base Fluid Viscosity Index	198	ASTM D 2270
Base Fluid Flash Point, °F (°C)	619 (326)	ASTM D 92
Rust Test	Pass	ASTM D 1743
Four-Ball Wear, mm	0.67	ASTM D 2266

JAX products undergo continual improvement in formulation and manufacture. The values indicated in this PDS are typical production values at the time of this writing. JAX reserves the right to alter and update product data and typical values at any time without notice. It is the responsibility of the installer and/or purchaser to determine if these specifications are adequate and proper for the intended application. SDS information may be found at [www.jax.com](http://www.jax.com) or by contacting JAX INC.

## CONTAINER SIZE

2000 Pound Tote - 276  
 400 Pound Drum - 400  
 120 Pound Keg - 120  
 35 Pound Pail - 035  
 50 Cartridge Case - 050

## BIO-GUARD WIRE ROPE LUBE 00

BGWR00-276  
 BGWROO-400  
 BGWROO-120  
 BGWROO-035  
 BGWROO-050



**JAX INC.**

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