



## Technical Data Sheet

- HEAVY DUTY PROTECTION
- WATER RESISTANT
- LITHIUM / CALCIUM COMPLEX

# Pure Tech WireGuard S3 Wirerope A

Premium Wirerope Grease

Pure Tech WireGuard S3 Wirerope A is a premium lithium/calcium complex grease, formulated with high-viscosity mineral oil and enhanced with advanced anti-oxidation and corrosion inhibitors. Engineered for superior performance, its unique formulation integrates EP (Extreme Pressure) and anti-wear additives directly into the thickening system, delivering exceptional load-carrying capacity and long-lasting protection for wire rope applications in demanding industrial environments.

## MAIN APPLICATIONS

**Pure Tech WireGuard S3 Wirerope A** is expertly engineered for high-performance protection and lubrication in extreme environments:

- Specially formulated for lubricating and protecting steel-armoured ROV cables operating in saltwater conditions
- Reliable performance in both arctic and tropical climates, ensuring all-weather protection
- Ideal for use on various types of wire ropes and chains requiring strong adhesion and corrosion resistance
- Offers excellent rust inhibition, outstanding water repellency, and long-lasting adhesion under harsh conditions
- Fully compatible with central lubrication systems, including Masto™-type systems, for efficient application

## TYPICAL PHYSICAL CHARACTERISTICS

PROPERTIES	METHOD	WIREGUARD S3
NLGI Consistency		1.5
Penetration, worked 60 strokes (0.1 mm)	IP 50 / ASTM D217	300
Dropping Point °C	IP 396	260
Kinematic Viscosity @40°C cSt	IP 71 / ASTM D445	520
Kinematic Viscosity @100°C cSt	IP 71 / ASTM D445	35
Rust Preventing Properties : SKF Emscor distilled water		Pass
Rust Preventing Properties : SKF Emscor WWO distilled water		Pass
Rust Preventing Properties : SKF Emscor WWO synthetic saltwater		Pass
4-Ball Test, Weld Load N		Min 7200
Water Washout Test	IP 71 / ASTM D445	Max 5%
Temperature Range (temporarily) °C		-15/150 (200)

## HEALTH, SAFETY & ENVIRONMENT

### Health and Safety

Pure Tech WireGuard S3 Wirerope A is unlikely to present any significant health or safety hazard when properly used in the recommended application and good standards of personal hygiene are maintained.

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