



## TUF TAC WIRE ROPE SHIELD 00

**TUF TAC WIRE ROPE SHIELD 00** is a semi-fluid wire rope grease designed to meet the arduous lubricant and corrosion prevention requirements of wire ropes working under all conditions. Typical application areas are dockside and ship crane ropes, drag lines, hoists and mobile cranes. Will penetrate between the rope strands to provide integral lubrication and to provide both internal and external protection against corrosion caused by wet, adverse weather conditions and sea water.

### BENEFITS

- Provides excellent internal and external protection, extending rope service life.
- Addition of solid lubricant, reduces wear between the strands of the rope.
- Water repellent film ensures long film life, extending re-lubrication intervals.
- Thin film eliminates fling off and does not collect abrasive particles.
- Ropes are clean to handle and allow easy inspection.
- Extensive covering power, resulting in economic usage.

### Method of Application

Always follow the equipment manufacturer's recommendations and instructions prior to use. As with all greases used for the first time, check compatibility with the grease applied previously and if necessary, clean or purge components prior to application. To ensure adequate lubrication, apply the quantity of grease recommended by the equipment manufacturer.

### Storage

Products should always be stored in their original packaging and at temperatures between 0°C and 25°C, away from any moisture and direct sources of heat or sunlight. The recommended shelf life for grease is 2 years when stored under normal recommended conditions.



## TYPICAL ANALYSIS:

Properties	Unit	Method	Typical
Appearance	-	-	Fluid Grease
Colour	-	-	Grey to Black
NLGI Grade	-	-	00
Thickener	-	-	Lithium
Base Oil	-	-	Mineral Oil
Base Oil Viscosity @ 40°C	cSt	ASTM D445	150
Worked Penetration	dmm	ASTM D217	400-430
Four Ball Weld Load, 10s	kgf	IP 239	315
Four Ball Wear Scar, 40kg 1 hour	mm	IP 239	0.50
Extended Worked Penetration 100,000 strokes	dmm	ASTM D217	+30
Copper Corrosion 24 hours @ 100°C	-	ASTM D4048	1a
Corrosion (EMCOR) Distilled Water	-	ASTM D6138	0,0
Corrosion	-	ASTM D1743	Pass
Oxidation Stability Time to 10% Loss @ 160°C	min	ASTM D8206	140
FFK Flow Pressure, - 40°C	hPa	DIN 51805-2	1025
Operating Temperature	-	-	-40°C to +140°C