



**Drive-by-wire-,comfort and positioning systemes - even new power transmission technologies:**

Equipment systems are increasingly managed by electrical devices. Basis of this silent revolution are connectors, sensors and switches and synthetic oils and greases which hold their extinction long after their guarantee has expired.

**Contact protection**

contact lubricants are used to avoid general wear, environmental corrosion and wear caused by vibration and thermal changes in the plug housing micromotion. By reducing the building of metal oxide on inserted interfaces, synthetic lubricants extend contact life and guarnetee low resistance

**Insertion**

The reduction in insertion force is also a problem for starters. Pluggin multipolar connectors sometimes difficult to access often reuire a significant effort which can lead to incomplete insertion and repetitive motion injuries of the assembly line workers. Synthetic lubricants on fluoroether base have demonstrated that they reduce high insertion forces without undesirable increase of resistance.

Product	Base Oil	Thickner / Additives / Solid lubricants	Temperature Range	Application
Ferex M Thermalpaste 7000	Synthetic	Anorganic / solid lubricants	-30 + 200°C	Thermal Paste for Mikrowave Oven
Ferex M Litek 720/T	Mineral	Metallic complex soap / PTFE	-50 + 160°C	Wasching drum Bearing
Ferex M 105	PAO	Metallic complex soap / AW / EP	-20 + 160°C	Gearmotor for beverage dispensor
Ferex M Fluorosil 607	Silicone	PTFE	-40 + 200°C	Grinding gear
Ferex M Fluorogrease 935 Y	PFPE	PTFE	-20 + 280°C	Pyrolyse cleaning
Ferex M HP	Synthetic	Metallic soap / solid lubricants / EP AW	-20 + 160°C	Hinges and locks systemes with high load
Ferex M 640	Synthetic	Metallic soap / solid lubricants	-40 + 160°C	Guide rails aluminium
Ferex M Dampgel G series	PAO	Gel	-40 + 140°C (ungefähr)	Damping grease with high viscosity

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