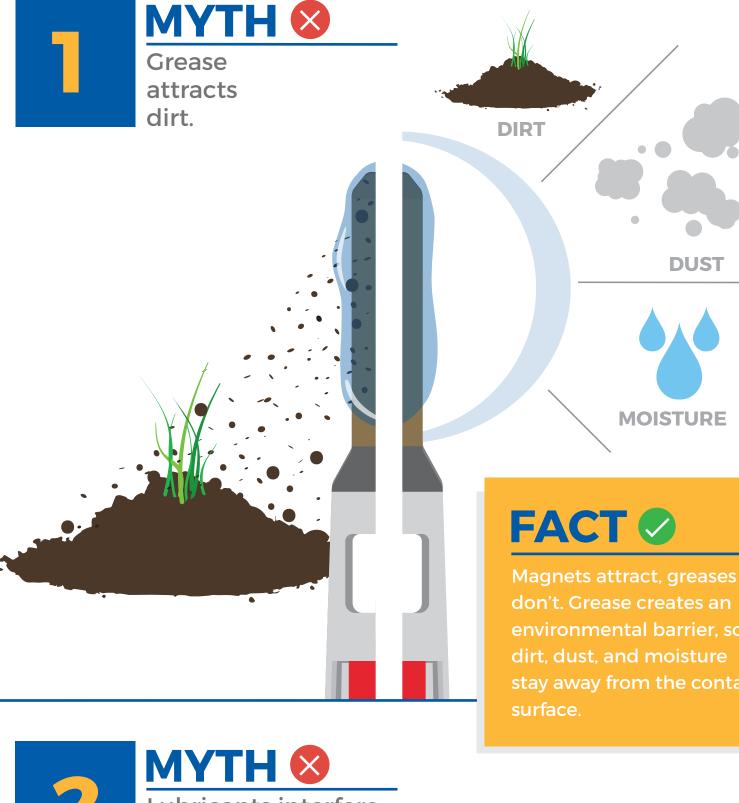
## CONNECTOR **LUBRICANTS**

## **6 MYTHS & FACTS**

Wondering if you need grease for electrical contacts and connectors? Here are some myths and facts to help you make your design decision.



Lubricants interfere with conductivity. CONTACT **NYE LUBRICANT -**CONTACT -**MICROSCOPIC VIEW NYE LUBRICANT** CURRENT **FLOW** 

don't. Grease creates an environmental barrier, so dirt, dust, and moisture

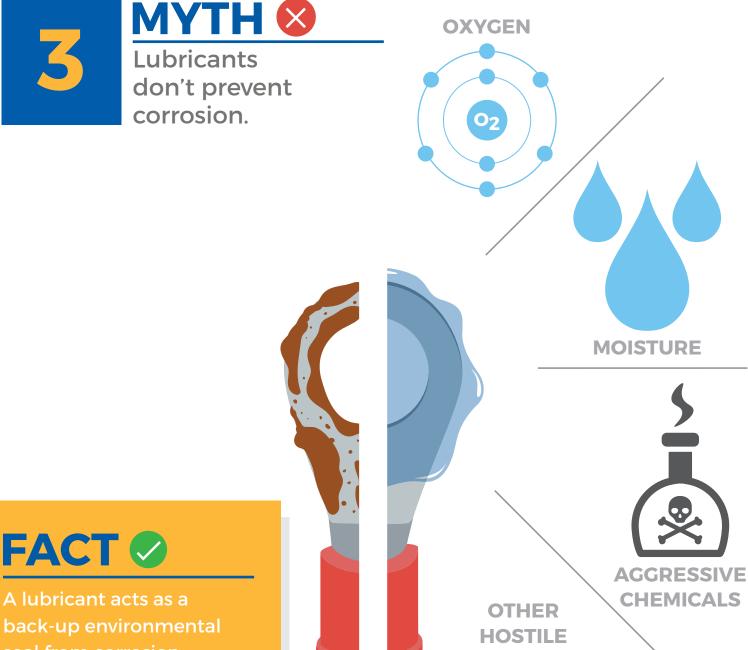
**DUST** 

**FACT** A contact lubricant

contact surface to protect the metal from oxidation, and is squeezed out of the asperities, allowing the current to flow.

**CHEMICALS** 

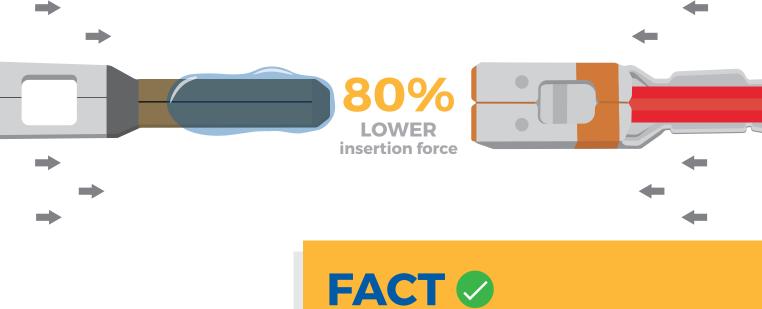
**ELEMENTS** 



Lubricants seal contact metals from oxygen, moisture, aggressive chemicals and other

**ASPERITIES** 



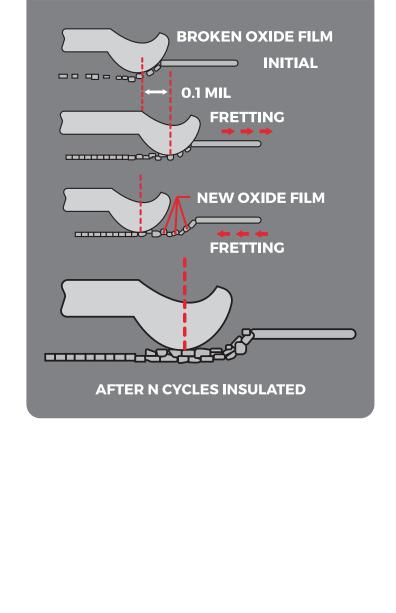


## on multi-pin connectors will ensure solid connections.

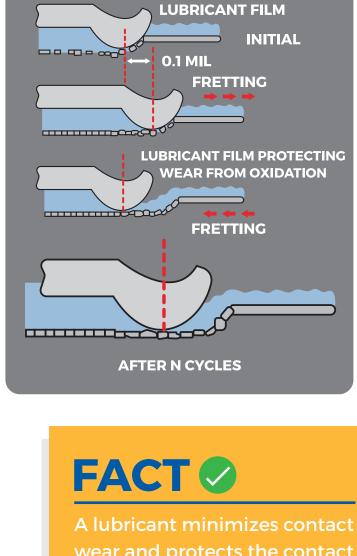
MYTH 😵 **Fretting corrosion** can't be curtailed.

A thin film of Nye lubricant reduces mating

force by as much as 80%. Low insertion forces



**UNLUBRICATED CONTACT** 



**LUBRICATED CONTACT** 

