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TO: Consulting Electrical Engineers

SUBJ: Cable Pulling Lubricant Specification

WHY SPECIFY A CABLE LUBRICANT?

Why specify something that is not a functioning part of an electrical system, such as a cable pulling lubricant? "All cable lubricants are the same!" ***Or, are they?***

LUBRICANT'S SIGNIFICANCE!

The **differences** between lubricant types can affect both cable life and the safety of the projects you engineer.

- *Wax emulsions can damage certain types of insulation and high voltage shields.*
- *The residue from wax emulsions is combustible and can propagate flame.*
- *The residue left after a wax emulsion dries can hinder future cable removal or pulls.*

American Polywater Corporation is the recognized leader in the technology of polymeric cable lubricants. Our premier, high-performance electrical cable lubricant, **Polywater® LZ** is a safe, water-based product without the drawbacks of a wax emulsion. **Polywater® LZ** has been specified and used extensively in construction, based on its proven effectiveness, compatibility, safety, and application properties.

POOR INSTALLATION CAUSES FAULTS!

Cable manufacturers agree that **most cable faults** occur because of mechanical stress on the cable jacket during installation. **Polywater® LZ** has a low friction coefficient, which will minimize such mechanical stress.

ADDITIONAL INFORMATION?

In addition to the technical data in this catalog, we have available a formal presentation and video covering "Cable Installation Engineering." Topics covered are:

1. *Friction theory and its effect on cable installation tension.*
2. *Accurate coefficient of friction determination and its use in planning conduit systems.*
3. *Use of a personal computer with the Pull-Planner™ 3000 Software Program to easily design conduit systems.*
4. *Lubricant performance differences.*

**A pre-written model lube specification is available online at
<http://www.polywater.com/modelspc.html>**

**To schedule a presentation on this subject, go to:
www.polywater.com/seminar.pdf**

For additional technical information, please call us toll free at 1-800-328-9384.