

LPS[®] **TECHLUBE-HD[®]**

HEAVY-DUTY CABLE PULLING LUBRICANT

A water-based gel lubricant formulated to provide maximum friction reduction for electrical utility cable pulling operations.



FEATURES

- Biodegradable, water-based lubricant
- Coats power cables, copper cables, and for the installation of innerduct
- Provides maximum friction reduction for difficult cable pulling applications
- Compatible with all types of cable jacket materials
- Leaves a lubricating film
- Will not “cement” the cable to the conduit

Meets or exceeds these specs:

- IEEE Guide P1210/D10. “Standard test for determining compatibility of cable lubricants with wire and cable.”
- Bellcore Specification “TR-NWT-002811, Issue 1, November 1993” “Generic requirements for cable placing lubricants”

PROPERTIES

Flash Point:

None

pH:

Neutral

Odor & Appearance:

Opaque viscous stringy blue gel with faint almond odor

PACKAGE

Net Contents

1 gallon (3.78 liters)

5 gallons (18.93 liters)

Part No.

61101

61105



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DIRECTIONS

Lubricant needed to install cable: Any attempt to quantify exactly the amount of lubricant that is needed on any individual installation will fall short of being accurate. In general, experience has revealed that some valid assumptions can be made. Formulas are presented that have been found to be normally acceptable. However, there are field conditions, which may require more lubricant than the formulas provide. Knowledge of specific local conditions and experience has proven to be the best judge in these cases.

Formula A: (Non-Metric, USA)

1. For plastic conduit (PVC,ABS, Polyethylene) use the following:

$$Q = 0.0013 \times L \times D$$

$$N = 0.003 \times L \times D \text{ (for prelube bags)}$$

2. For multiple concrete, clay tile, fiber cement, fiber filled, and wood conduit use the following:

$$Q = 0.0020 \times L \times D$$

$$N = 0.004 \times L \times D \text{ (for prelube bags)}$$

Q= Amount of Techlube HD needed in gallons.

N= The number of bags needed

L= The total length of the pull in feet.

D= The inside diameter of the individual conduit in inches.

Formula B: (Metric)

1. For plastic conduit (PVC,ABS, Polyethylene) use the following:

$$Q = 0.0064 \times L \times D$$

$$N = 0.004 \times L \times D \text{ (for prelube bags)}$$

2. For multiple concrete, clay tile, fiber cement, fiber filled, and wood conduit use the following:

$$Q = 0.0098 \times L \times D$$

$$N = 0.005 \times L \times D \text{ (for prelube bags)}$$

Q= Amount of Techlube HD needed in liters.

N= The number of bags needed

L= The total length of the pull in meters.

D= The inside diameter of the individual conduit in centimeters.

MATERIAL COMPATIBILITY

- Chlorinated Polyethylene
- Cross Linked Polyethylene
- Ethylene Propylene Rubber
- High Density Polyethylene
- Hypalon
- Linear Low Density Polyethylene
- Natural Rubber
- Neoprene
- PolyVinyl Chloride



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