3M™ Clear Wire Pulling Lubricant

Data Sheet August 2009

Description
3M™ Clear Wire Pulling Lubricant is a clear, colorless, slow-drying, easy-to-apply gel which is an excellent lubricant for everyday pulling of both electrical and communication cable. The clear formula makes this an ideal choice where cleanliness is a concern. 3M™ Clear Wire Pulling Lubricant has a low residue, less than 5% solids.

Agency Approvals & Self Certifications
UL and C-UL Approved RoHS 2002/95/EC
File # E162404

RoHS Compliant 2002/95/EC means that the product or part (“Product”) does not contain any of the substances in excess of the maximum concentration values in EU Directive 2002/95/EC, as amended by Commission Decision 2002/618/EC, unless the substance is in an application that is exempt under RoHS. This information represents 3M’s knowledge and belief, which may be based in whole or in part on information provided by third party suppliers to 3M.

Applications
Temperature use range 20°F to 120°F (-5°C to 49°C)
Compatible with most common jacket types
No wax, grease or silicone added
Non-corrosive to steel, copper, or aluminum.

Installation Techniques
3M™ Clear Wire Pulling Lubricant can be squeezed, pumped or hand applied directly on the wire or cable. The conduit should be clean and continuous. Clean-up by wiping off excess lubricant with rag.

Estimated Lubricant Quantity: Q = K x L x D

Where:
Q = quantity in gallons.
L = length of conduit run in feet.
D = I.D. of conduit in inches
K = .0015 (.0008 if using metric units)

Note that the quantity can vary greatly depending on the complexity of the pull. Factors such as cable weight, conduit condition, conduit fill, or number of bends can all lead to increased usage.

Typical Properties
Not for specifications. Values are typical, not to be considered minimum or maximum. Properties measured at room temperature 73°F (~23°C) unless otherwise stated.

<table>
<thead>
<tr>
<th>Physical Property (Test Method)</th>
<th>Typical Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color</td>
<td>Clear, colorless</td>
</tr>
<tr>
<td>Percent non-volatile content</td>
<td>5%</td>
</tr>
<tr>
<td>VOC Content</td>
<td>20 gm/liter</td>
</tr>
<tr>
<td>Viscosity</td>
<td>40,000 - 60,000 cps @ 10 rpm</td>
</tr>
<tr>
<td>PH</td>
<td>6.5 – 8.0</td>
</tr>
<tr>
<td>Combustibility</td>
<td>No flash point, residue is non-flammable</td>
</tr>
</tbody>
</table>
3M™ Clear Wire Pulling Lubricant

**Shelf Life & Storage**
This product has a 5-year shelf life from date of manufacture when stored in a humidity controlled storage (10°C/50°F to 27°C/80°F and <75% relative humidity). Store in a tightly sealed container away from direct sunlight.

**Availability**
Please contact your local distributor; available from 3M.com/electrical [Where to Buy] or call 1-800-245-3573.

---

**Important Notice**
All statements, technical information, and recommendations related to 3M’s products are based on information believed to be reliable, but the accuracy or completeness is not guaranteed. Before using this product, you must evaluate it and determine if it is suitable for your intended application. You assume all risks and liability associated with such use. Any statements related to the product, which are not contained in 3M’s current publications, or any contrary statements contained on your purchase order, shall have no force or effect unless expressly agreed upon, in writing, by an authorized officer of 3M.

**Warranty; Limited Remedy; Limited Liability**
This product will be free from defects in material and manufacture at the time of purchase. 3M MAKES NO OTHER WARRANTIES INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. If this product is defective within the warranty period stated above, your exclusive remedy shall be, at 3M’s option, to replace or repair the 3M product or refund the purchase price of the 3M product. Except where prohibited by law, 3M will not be liable for any indirect, special, incidental or consequential loss or damage arising from this 3M product, regardless of the legal theory asserted.

---

3M is a trademark of 3M Company.