

Lubricants and Cable Looseners

3M™ Wire Pulling Lubricant Gel



66

3M Wire Pulling Lubricant Gel is a water-soluble, translucent white gel that is easy to handle and apply to wire and cable without runs or drips. The lubricant produces a low coefficient of friction that lessens the chance

of wire damage from high pulling forces. Not only does Wire Pulling Lubricant Gel make wire pulling jobs smoother and safer, it also wipes off the cable quickly and cleanly before terminating or splicing. The consistent gel does not liquefy, or separate with hot or cold aging. It stays thick, smooth and ready to apply.

3M™ Wire Pulling Lubricant Communications



67

3M Wire Pulling Lubricant Communications is a slow drying, water-based liquid lubricant formulated for lightguide cable pulling. The lubricant produces a low coefficient of friction that lessens the chance

of damage from high pulling forces. Wire Pulling Lubricant Communications provides maximum tension reduction for long fiber optic pulls, multiple bend pulls and pulls in hot environments. It will not stress crack low-density polyethylene and is compatible with a broad range of cable jackets.

3M™ Wire Pulling Lubricant Wax/Gel



68

3M Wire Pulling Lubricant Wax/Gel can be used and stored in temperatures as high as 194°F (90°C), making it the choice for hot weather applications. The thick, consistent lubricant does not liquefy or separate with hot aging; it

scoops and applies easily to wire and cable without runs or drips in hot temperatures; and it will not evaporate too soon after pulls. The lubricant's low friction coefficient lessens the chance of wire damage from high pulling forces, wipes off the cable quickly and cleanly and leaves less residue in the conduit to block future pulls or prevent removal. Because Wire Pulling Lubricant Wax/Gel can be immersed in water for 30 minutes with minimal weight loss, it is also the choice for wet weather applications.

3M™ Wire Pulling Lubricant Wintergrade



69

3M Wire Pulling Lubricant Wintergrade can be used and stored in temperatures as low as 10°F (-12°C), making it the choice for cold weather applications. The thick lubricant remains easy to scoop and apply to wire and cable without runs, or drips in both

warm, and cold temperatures. The lubricant produces a low coefficient of friction that lessens the chance of wire damage from high pulling forces. It wipes off the cable quickly and cleanly before terminating, or splicing common wire and cable jackets.

3M™ Cable Loosener

3M Cable Loosener is a white, water-based, general purpose dissolver/lubricant designed to free lodged cables by softening binding materials such as wax, rust, soap, dirt, adhesive, residue and bitumen. It is a thick, pourable liquid, which can be conveniently loaded directly into the conduit. After dissolving the binding agents and aiding the cable in breaking free, Cable Loosener also provides a lubricating film which helps remove the cable from the conduit, leaving the empty undamaged and ready for re-use after cleaning and drying.



Features — Advantages — Benefits

WL Wire Pulling Lubricant Gel

Temperature stable	Lube is not wasted	Saves money
Thick, non-runny gel	Faster and neater application. Less waste	Saves money
Colorless and non-staining	Faster and easier clean-up	Saves time
Low coefficient of friction	Less wire damage and equipment wear	Safety
Low residue (<3.5% solids)	Easier cable replacement during refurbishment	Saves time
UL Listed. Broadly compatible with wire and cable jackets.	Lubricant suitable for multiple uses — electrical, co-ax, high voltage. Minimizes inventory investment	Saves money

WLC Wire Pulling Lubricant Communications

Pourable	Coats evenly	Easy to use
Low residue	Less wire damage and equipment wear	Saves money
Non-staining and slow drying	Faster and easier clean-up	Saves time
Compatible with fiber optic, telephone and communications cable	Does not stress crack polyethylene	Safety
Does not separate at high or subfreezing temperatures	No waste due to phase separation	Saves money

WLX Wire Pulling Lubricant Wax

5.3% solid residue	Easier cable replacement during refurbishment	Saves time
Heat stable at 194°F (90°C) for 24 hours	No ruined, runny lube, low evaporation rate	Saves money
30 minutes immersed in water with minimal weight loss	Easier pulling in wet conditions	Easy to use

WLW Wire Pulling Lubricant Wintergrade

Temperature stable*	Lube is not wasted	Saves money
Thick, non-runny gel	Faster and neater application. Less waste	Saves money
Non-staining	Faster and easier clean-up	Saves time
Low coefficient of friction	Less wire damage and equipment wear	Safety
Low residue (<3.5% solids)	Easier cable replacement during refurbishment	Saves time
Broadly compatible with wire and cable jackets inventory	Lubricant suitable for multiple uses — electrical, co-ax, high voltage. Minimizes investment	Saves money

CL Cable Loosener

Dissolves binding materials to free lodged cables	Eliminates cut-ins	Saves money Saves time
Acts as both a dissolver and a lubricant	Eliminates the need to use two separate products	Saves money
Thick, pourable liquid	Easily loaded into conduit	Easy to use Saves times







Product Referral Generator

Connecting	
– Spring Connectors	...pg. 22
– Insulation Displacement Connectors	...pg. 28
Identifying	
– Wire Markers	...pg. 159
Terminating	
– Terminals	...pg. 35
Fastening	
– Cable Ties	...pg. 147

Specifications and Ordering Information for 3M™ Lubricants

Product Number	UPC (054007-)	Size	Weight (Lbs./Case)	Minimum Order Case Qty.
Silicone Lubricant				
Silicone Lubricant	85822*	24 fl. oz. (710 ml)	13.25 oz., Can	12
Silicone Lubricant Pump	89460*	6 fl. oz., Pump	6.1 (2,77 kgs)	12
5-Way Penetrant				
5-Way Penetrant	21305*	24 fl. oz. (710 ml)	17 oz. (481 gr)	12
Storing Lubricant				
16-703 Storing Lubricant	42830	16 fl. oz. (473 ml)	12.6 (5,72 kgs)	12
Wire Pulling Lubricant Gel				
WL-QT	50622	1-quart bottle, Gel	28.0 (12,7 kgs)	12
WL-1	50623	1-gallon pail, Gel	35.0 (15,9 kgs)	4
WL-5	50624	5-gallon pail, Gel	42.0 (19,05 kgs)	1
WL-55	50625	55-gallon drum, Gel	460.0 (208,65 kgs)	1
Wire Pulling Lubricant Communication				
WLC-QT	41783	1-quart bottle, Communications	28.0 (12,7 kgs)	12
WLC-1	41784	1-gallon pail, Communications	35.0 (15,9 kgs)	4
WLC-5	41785	5-gallon pail, Communications	42.0 (19,05 kgs)	1
WLC-55	41786	55-gallon drum, Communications	460.0 (208,65 kgs)	1
Wire Pulling Lubricant Wax				
WLX-QT	41742	1-quart bottle, Wax	28.0 (12,7 kgs)	12
WLX-1	41743	1-gallon pail, Wax	35.0 (15,9 kgs)	4
WLX-5	41744	5-gallon pail, Wax	42.0 (19,05 kgs)	1
WLX-55	41745	55-gallon drum, Wax	460.0 (208,65 kgs)	1
Wire Pulling Lubricant Wintergrade				
WLW-QT	41746	1-quart bottle, Wintergrade	28.0 (12,7 kgs)	12
WLW-1	41747	1-gallon pail, Wintergrade	7.4 (3,36 kgs)	4
WLW-5	41748	5-gallon pail, Wintergrade	42.0 (19,05 kgs)	1
WLW-55	41749	55-gallon drum, Wintergrade	460.0 (208,65 kgs)	1
Wire Pulling Cable Loosener				
CL-QT	42833	Cable Loosener	quart	12
CL-1	42834	Cable Loosener	1-gallon	4
CL-5	42835	Cable Loosener	5-gallon pail	1

* UPC prefix 021200-.

Wire Pulling Lubricant  
Temperature use range 20°F-110°FWLC WLX 
Use above 32°F
Temperature storage range 10°F-194°FWLW 
Temperature use range 10°F-110°F