

Wire Pulling Lubricants

The complete line of 3M™ Wire Pulling Lubricants are designed for specific applications such as cable pulling, moisture and corrosion protection, and preventing build up of glues, wax, inks, and paint. They're available in a variety of sprays and containers for various application conditions, so you can choose the right lubricant for the job at hand.



Section	Page
3M™ 5-Way Penetrant	143
3M™ Silicone Lubricant.....	143
3M™ Spray Wire Pulling Lubricant.....	144
3M™ Wire Pulling Lubricant Gel	144
3M™ Wire Pulling Lubricant Communications.....	145
3M™ Wire Pulling Lubricant Wax	145
3M™ Wire Pulling Lubricant Wintergrade	146
3M™ Wire Pulling Cable Loosener	146

LUBRICANTS AND CABLE LOOSENERS

FEATURES	ADVANTAGES	BENEFITS
3M™ WIRE PULLING LUBRICANT GEL WL		
Temperature stable	Lube is not wasted	Cost effective
Thick, non-runny gel	Faster and neater application. Less waste	Cost effective
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	Cost effective
3M™ WIRE PULLING LUBRICANT COMMUNICATIONS WLC		
Pourable	Coats evenly	Easy to use
Low residue	Less wire damage and equipment wear	Cost effective
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	Cost effective
3M™ WIRE PULLING LUBRICANT WAX/GEL WLX		
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	Cost effective
30 minutes immersed in water with minimal weight loss	Easier pulling in wet conditions	Easy to use
3M™ WIRE PULLING LUBRICANT WINTERGRADE WLW		
Temperature stable	Lube is not wasted	Cost effective
Thick, non-runny gel	Faster and neater application. Less waste	Cost effective
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	Lubricant suitable for multiple uses — electrical, co-ax, high voltage. Minimizes inventory investment	Cost effective
10-110°F Temperature Range	Use in colder climates	Wider application
3M™ WLW CABLE LOOSENER CL		
Dissolves binding materials to free lodged cables	Virtually eliminates cut-ins	Cost effective Saves time
Acts as both a dissolver and a lubricant	Virtually eliminates the need to use two separate products	Cost effective
Thick, pourable liquid	Easily loaded into conduit	Easy to use Saves time

3M™ 5-Way Penetrant

3M™ 5-Way Penetrant is designed to penetrate, lubricate, de-moisturize and protect electrical apparatus. It provides protection against electrical failures caused by moisture and corrosion.

3M 5-Way Penetrant protects component products such as switches, relays, batteries, motors and generators and keeps them highly efficient even in humid environments. Very low surface tension causes 3M 5-Way Penetrant to force its way under water on metal surfaces, displacing moisture.

Aerosol Type	Lubricant
Color	Amber
RoHS 2011/65/EU	Yes



Order No.	UPC	Description	Size	Weight	Case Qty.
5-WAY-PENETRANT	021200-21305	Drives out moisture; Free rusted bolts; Inhibits rust; General industrial, maintenance repair and operations (MRO); Penetrating, dissolving, tapping, lubricating, rust inhibiting, cleaning and demoi- turizing.	24 fl oz (710 ml)	17 oz (481 g)	12

3M™ Silicone Lubricant

3M™ Silicone Lubricant is a silicone based release agent for industrial lubrication applications. Use this lubricant to prevent build-up of glues, wax, inks and paints. Silicone lubricant has a temperature resistance of up to 350°F (177°C).

- ♦ Fast drying
- ♦ Long lasting and non-staining
- ♦ General industrial, maintenance, repair and operations (MRO), wood working and furniture
- ♦ Rubber protecting, plastic preservation, metal protecting, metal sealing and lubricating

Aerosol Type	Lubricant
Lubricant Type	Silicone
Color	Clear
RoHS 2011/65/EU	Yes



Order No.	UPC	Size	Weight	Case Qty.
SILICONE-LUBRICANT-240Z	021200-85822	24 fl oz (710 ml)	13.25 oz	12

3M™ Spray Wire Pulling Lubricant

3M™ Spray Wire Pulling Lubricant is a clean, non-staining, high-performance, thin liquid cable pulling lubricant. 3M™ Spray Lubricant is easily applied by either spraying or wiping. The lubricant has excellent cling and wetting properties for all cable types. The slightly gelled character of the lubricant helps to coat and wet the cable for difficult or complex cable pulls.

Applications Lubricant

Lubricant Type Spray




RoHS 2011/65/EU Yes

Agency Approval



Country of Origin



	WLS-QT	WLS-1	WLS-5
			
UPC	051128-57925	051128-57926	051128-57927
Size	1 quart bottle	1 gallon pail	5 gallon pail
Temperature Use Range	20–120°F (-5–49°C)	20–120°F (-5–49°C)	20–120°F (-5–49°C)
Color	Clear	Clear	Clear
Case Qty.	12	4	1

3M™ Wire Pulling Lubricant Gel

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.

Applications Lubricant

Lubricant Type Gel

RoHS 2011/65/EU Yes

Agency Approval



Country of Origin



Order No.	UPC	Size	Weight	Temperature Use Range	Color	Case Qty.
WL-QT	054007-50622	1 quart bottle	28.0 lbs. (12,7 kg)	20–120°F (-5–49°C)	Clear	12
WL-1	054007-50623	1 gallon pail	35.0 lbs. (15,9 kg)	20–120°F (-5–49°C)	Clear	4
WL-5	054007-50624	5 gallon pail	42.0 lbs. (19,05 kg)	20–120°F (-5–49°C)	Clear	1

3M™ Wire Pulling Lubricant Communications

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 lightguide cable 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.



Applications	Lubricant
Lubricant Type	Water-based
RoHS 2011/65/EU	Yes
Agency Approval	
Country of Origin	



Order No.	UPC	Size	Weight	Temperature Use Range	Color	Case Qty.
WLC-QT	051128-57922	1 quart bottle	28.0 lbs. (12,7 kg)	20–120°F (-5–49°C)	Clear	12
WLC-1	051128-57923	1 gallon pail	35.0 lbs. (15,9 kg)	20–120°F (-5–49°C)	Clear	4
WLC-5	051128-57924	5 gallon pail	42.0 lbs. (19,05 kg)	20–120°F (-5–49°C)	Clear	1

3M™ Wire Pulling Lubricant Wax

3M™ Wire Pulling Lubricant Wax 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 can be immersed in water for 30 minutes with minimal weight loss, it is also the choice for wet weather applications.

Application	Lubricant
Lubricant Type	Wax
RoHS 2011/65/EU	Yes
Agency Approval	
Country of Origin	



Order No.	UPC	Size	Weight	Temperature Use Range	Case Qty.
WLX-QT	054007-41742	1 quart bottle	28.0 lbs (12,7 kg)	10–194°F (12–90°C)	12
WLX-1	054007-41743	1 gallon pail	35.0 lbs. (15,9 kg)	10–194°F (12–90°C)	4
WLX-5	054007-41744	5 gallon pail	42.0 lbs. (19,05 kg)	10–194°F (12–90°C)	1

3M™ Wire Pulling Lubricant Wintergrade

3M™ WLW Pulling Lubricant Wintergrade is a translucent green polymer gel used for wire and cable pulling. WLW lubricant is a version of 3M™ WL Gel Lubricant which has been modified for use in colder climates. The lubricant is easy to handle and apply. The gel material is non-staining and affords quick and easy cleanup. Low solids content means less conduit blocking if additional pulls are required.


Applications	Lubricant
Lubricant Type	Wintergrade
RoHS 2011/65/EU	Yes
Agency Approval	
Country of Origin	



Order No.	UPC	Size	Weight	Temperature Use Range	Color	Case Qty.
WLW-QT	054007-41746	1 quart bottle	28.0 lbs. (12,7 kg)	10–110°F (12–43°C)	Translucent Green	12
WLW-1	054007-41747	1 gallon pail	35.0 lbs. (15,9 kg)	10–110°F (12–43°C)	Translucent Green	4
WLW-5	054007-41748	5 gallon pail	42.0 lbs. (19,05 kg)	10–110°F (12–43°C)	Translucent Green	1

3M™ Wire Pulling Cable Loosener

This white, water-based, general-purpose dissolver/lubricant is a thick, pourable liquid for convenient loading into conduit. It is designed to free stuck cable (and cable bundles) by softening the binding materials (wax, rust, soap, dirt, adhesive, residue, bitumen, etc.). It lubricates to ease cable removal, leaves empty conduit undamaged and ready for re-use after cleaning and drying and it lowers duct reclamation costs by virtually eliminating expensive cut-ins once the cable has broken free. Loosener does not allow reuse of cable being removed as they may be ruined by the solvent nature of the product and the high pulling forces required for removal.

Application	Lubricant
Lubricant Type	Cable Loosener
RoHS 2011/65/EU	Yes
Country of Origin	



Order No.	UPC	Size	Color	Case Qty.
CL-QT	054007-42833	1 quart bottle	Milky White	12
CL-1	054007-42834	1 gallon pail	Milky White	4