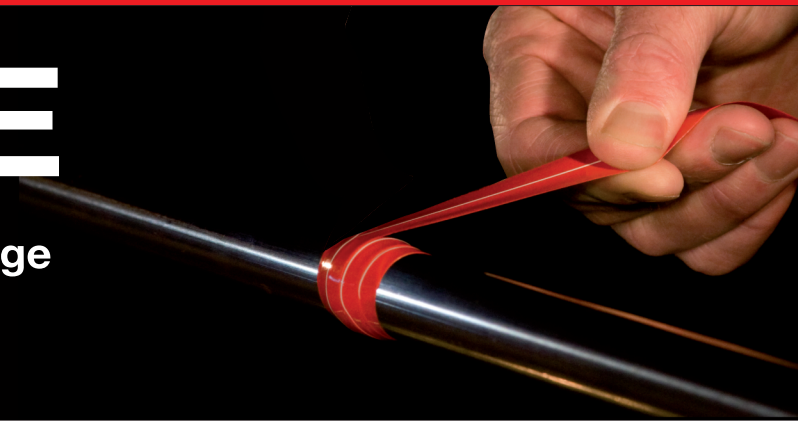


ALFA[®] TAPE

A Revolutionary product that will change the way industry insulates and seals electrical connections



- Easily applied, durable and resilient
- Long life in extreme environments
- Self-fusing layers form a compression sheath
- Suitable for high voltage insulation
- Used for sealing, harnessing, waterproofing and UV shielding



LLFA[®] TAPE is a self-fusing tape utilised to insulate and seal electrical cable splices where high and low temperature stability is needed, and where moisture, weather and radiation resistance is required.

Mechanically it provides a high tension wrap that creates an enduring seal under extreme environmental conditions. Due to its remarkable properties, it is also used to repair punctured water, air and hydraulic pipes that are subject to pressure and temperature variants.

The High Performance Solution In The Market



UV & OZONE RESISTANT



<< 0.5% WATER ABSORPTION



-90°C TO +260°C



SELF-EXTINGUISHING



TENSILE STRENGTH > 1200 PSI*



TEAR RESISTANCE > 125 lbf/in



400Vpm PER HIGH POT TEST



SUBMERSIBLE



SUITABLE FOR BURIAL



ABRASION RESISTANT

LLFA[®] Compression TAPE exceeds NEMA Insulation "Class H" requirements and has a temperature range of -90°C to +260°C (500°F)

*Based on the LLFA[®] 40 specification



ALFA TAPE



ALFA SMOOTH

www.gtgcanda.com



Received "Top Products" Award
by the "Professional Electrician"
Magazine in Great Britain

• Application

LLFA®TAPE seals by compression. The tape is pulled as tightly as possible around the splice on the first layer, then with minimal tension on successive layers. The tape amalgamates with itself, and the tension is maintained indefinitely. The quality of the seal does not depend on the type of cable, nor does it rely on adhesive. In addition, LLFA®TAPE fuses even under cold, hot or moist conditions.

• Fusion

LLFA®TAPE is an ultrafast self-fusing tape. Similar products require a period of time in order to become a solid mass of rubber. With LLFA®TAPE this happens almost instantaneously. This is an important factor when splicing or protecting a connection that is subject to high humidity or even submergence.

• Temperature Stability

Unlike LLFA®TAPE, other products are less effective in extreme cold or humid conditions. With LLFA® the applying technician does not have to keep the tape warm in cold conditions or cool in hot conditions.

• Water Absorption

The specified water absorption for LLFA®TAPE is less than 0.5%. The Mil spec requirement for most other silicone based products is <3.0%. Based on the extremely low water absorption characteristic of LLFA®TAPE and its high tensile strength, water or moisture will not absorb through the tape or migrate between the cable jacket and the tape, thus maintaining an excellent water tight seal.

• Submersion

Rapid fusion allows a newly wrapped splice to be immediately submerged in water. You don't have to wait a few hours before declaring a circuit, pump motor, etc. operable. After you wrap it, you're ready to go.

• Puncture Repair

The strength of LLFA®TAPE makes it both a competent insulation solution and an invaluable puncture repair product. A punctured hose or pipe tightly wrapped with LLFA®TAPE will immediately withstand internal pressure because the fusing action takes place so quickly.

• Ease Of Removal

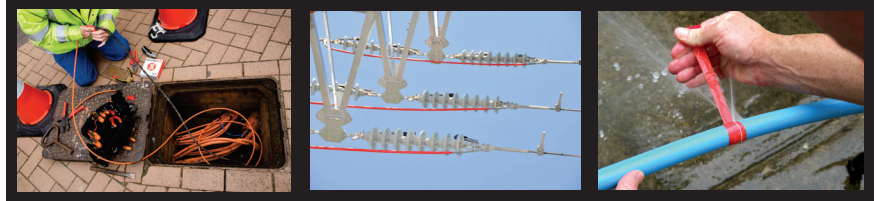
Unlike other jointing solutions, no adhesive is used to maintain the seal. With no sticky residue to clean, LLFA®TAPE can be removed quickly should re-entry to the joint be required. The use of adhesive in other jointing solutions results in sensitivity to humidity and temperature variations.

• Abrasion Resistance

Due to LLFA®TAPE's unique formulation and manufacturing process, it is resistant to abrasion and split propagation. It can be used as a stand alone product, requiring no protective jacketing tape.

• Easy Release Liner

LLFA®TAPE has an easy release liner. This means that you don't have to pick hard at the liner and try to remove it. It comes off quickly and has low static, unlike most other products. In addition, LLFA®TAPE's liner is black in color so that it's easy to see and clean up.



TELECOMMUNICATIONS

ELECTRICAL

SEALING AIR, STEAM AND WATER LEAKS

Temperature Range	-90°C through to 260°C
Dielectric Strength	400VPM LLFA® 40
Tear Resistance	> 125 lbf/in
Water Absorption	<< 0.5%
Elongation	> 325%
Track Resistance	Will prevent electrical conduction along its surface
UV Resistance	Highly UV resistant
Adhesion (Fusion)	Standard requirement: "Tape shall not unwind more than 1.0 inch after 3 minutes with an attached load of 600g." Result: LLFA® TAPE < 1 inch
Thermal Stability	-90°C to 260°C continuous
Tensile Strength	> 1200 PSI throughout temperature range
Breaking Strength	> 15 lbs
Durometer Hardness	55 - 65
Acids and Alkaline	No negative effect from brief exposure to acids and alkaline and can withstand submersion up to 3 days
Corona Resistance Partial Discharge	Corona resistant; wrapping tension minimizes voids in which corona exists
Ozone Resistance	Highly ozone resistant
Self-Extinguishing	UL standard 94 rating V-O. Tested to IEEE383 and IEEE1202 for flammability, self-extinguishes and will not propagate a flame
Standard Compliance	ASTM D2240, A-A-59163, ASTM D-149, MIL-I-46852, ASTM D2148, ASTM D3767 (LLFA®TAPE specifications meet other international standards not included in this list.)

