

LLFA TAPE

LLFA[®] Tape is a self fusing tape that can be used to provide a high tension wrap that will create an enduring seal under extreme environmental conditions. It will insulate and seal electrical cable splices where high and low temperature stability is needed, and where moisture, weather and radiation resistance is required.

Self amalgamating tapes have been on the market for many years. However this new generation product, LLFA[®] Tape is:

- Stronger
- Faster fusing
- Near to 0% water absorbent
- Abrasion and tear resistant
- An extremely good insulator
- Easily applied, durable and resilient.

LLFA[®] provides a new alternative in electrical cable splicing and terminating. 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.

For electrical applications:

- Use on any Low Voltage electrical splice. It is also suitable for Medium Voltage or High Voltage applications.
- If LLFA[™] is in your tool box, there is no need to wait for the right size kit to arrive!
- Turn on the power without delay – no curing time required.
- Use for sealing, harnessing, water-proofing and UV shielding.
- One roll of tape will cover several medium sized jobs.
- Long life in extreme environments.
- Suitable for submarine and subterranean applications - Self fusing layers form a water tight compressing sheath.
- Avoid cutting cable to repair a nicked or weathered jacket – LLFA[™] Tape seals instantaneously.

As a "Class H" material, LLFA[®] is specifically proven to be reliable within the -90°C to 260°C (500°F) temperature range.

Temperature Range	-90°C through to 260°C
Dielectric Strength	400VPM* LLFA [®] 40**, 600VPM* LLFA [®] 20, 800VPM* LLFA [®] 12
Tear Resistance	> 130 PSI
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 < 1inch
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	Corona resistant; wrapping tension minimises voids in which corona exists.
Ozone Resistance	Highly ozone resistant.
Self Extinguishing	UL standard 94 rating V-0. Tested to IEEE383 and IEEE1212 for flammability - self extinguishes and will not propagate a flame.
Standard Compliance	ASTM D2240, A-A-59163, ASTM D-149, ASTM D-412, MIL-I-46852, ASTM D2148, ASTM D3767 (LLFA [®] specifications meet other international standards not included in this list.)