

Cable Jointing

LLFA® Compression Tape



Repairs, seals and insulates in seconds!



INDUSTRIAL



MAINTENANCE



ELECTRICAL

Saving time, this rapidly applied solution, is saving money.
Multipurpose industrial grade solution used to create high tension seals with exceptionally long life. This is one product that will deliver every time.

Repairs, seals and insulates. One product with many uses.
For a multitude of applications, LLFA Tape is an effective yet robust repair that is waterproof, weatherproof, easily applied and endures extreme conditions.

Outstanding performance for high or low voltage insulation.
Long lasting, water tight and robust. Used for bus bar insulation, cable jointing, connection weather proofing, and cable repair.

Compression Tape combines ultra fast self-fusion with high tensile strength

Approvals: BS EN50393:2006, BS EN150 4589-2:199, BS 6920:2000



- Water tight electrical cable jointing and termination
- Leaking pipe repair without reducing the pressure or turning off the flow
- High voltage insulation
- Highly UV resistant
- Exceptional lifespan even when buried or submersed
- Functions in low or high temperatures
- Non-toxic, safe for use in direct contact with drinking water
- Easily applied, instant repair
- Environmentally responsible, replacing hazardous materials
- Saves time and money

SEAL - stretch to Maximum (300%)

FINAL LAYER - Minimum Stretch



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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.

Part No.	Length (m)	Width (mm)
LLFA 40/1 Black	10.9	25.4
LLFA 40/1 Red	10.9	25.4
LLFA 12/1 Black	3.6	25.4
LLFA 12/1 Red	3.6	25.4



LLFA 40/1 Black



LLFA 40/1 Red



LLFA 12/1



Free dispenser supplied with 10 rolls of LLFA 12/1 (red or black)

LLFA® 1m Dispenser Pack

1m length of LLFA 40/1 black/red tape cut into 3 equal lengths.

Single Pack	Part No.	Box of 25 Packs
L40PK1M Black	L40PK1mBLK-BX	(black)
L40PK1M Red	L40PK1mRED-BX	(red)



LLFA® Smooth

An insulating putty that is soft enough to mould into any cavity or change in diameter, yet consistent enough to hold its shape once applied. It is primarily used to prepare a ready surface to which LLFA® TAPE can be applied.

Part No.	Pack Wt (g)
LSP320	113



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LLFA® Compression Tape can be used as a stand alone product. It seals when applied with "maximum stretch", and gives mechanical protection when applied with "minimum stretch".

Fusion

With LLFA® Compression Tape fusion is almost instantaneous. This is an important factor when splicing or protecting a connection that is subject to high humidity or even submergence.

Electrical Insulation

Straight and branch joints spliced with LLFA®, from the smallest to the biggest cable size, have undergone European standard testing to BS EN 50393:2006. This jointing method has successfully met all the requirements of the standard to make it the first compression tape jointing solution available in the EU.

Instant Leak Repair

LLFA® Compression Tape is used to repair leaking pipes without turning off the flow. A punctured hose or pipe tightly wrapped with LLFA® Compression Tape will immediately withstand internal pressure. The pressure will not push between the "fusing layers" because the fusion takes place so quickly (even when wet).

Abrasion Resistance

LLFA® Compression Tape, due to its unique formulation and manufacturing process, is resistant to abrasion and split propagation. Applying a final layer with minimum tension will increase abrasion resistance.

Temperature Stability

Other products decrease or lose adhesion in extreme cold or humid conditions. LLFA® Compression Tape as a "CLASS H" material will continue to perform at these temperatures. LLFA® does not have to be kept warm in the cold or vice versa.

Environmentally Responsible

LLFA® Compression Tape is environmentally friendly and is replacing solutions that are hazardous. LLFA® Compression Tape is also classed as normal waste, and is approved by the Water Regulations Advisory Scheme for use in direct contact with drinking water, both hot and cold.

Dielectric Strength LLFA®40 = 400VPM (16,000V per 1mm)

Tensile Strength > 1200 PSI throughout temp range

Breaking Strength > 15 lbs

Tear Resistance > 125 PSI

Water Absorption << 0.5%

Temperature Range -90°C through to 260°C

Elongation > 325%

Track Resistance Prevent electrical conduction along its surface

UV Resistance Highly UV resistant

Ozone Resistance Highly ozone resistant

Durometer Hardness 55 - 65

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

Acids and Alkaline No negative effect from brief exposure to acid and alkaline and can withstand submersion up to 3 days

Self Extinguishing UL standard 94 rating V-0. Tested to IEEE383 and IEEE1212 for flammability - self extinguishes and will not propagate a flame

Smoke Toxicity NF X 70 - 100:2006 test results indicate a C.I.T. value of 5.20. BS6853: 1999: Annex B test results indicate an R-value of 0.37

Water Safety BD6920 results indicate that LLFA® Tape is suitable for use in direct contact with drinking water up to 85°C (WRAS Approved)

Standard Compliance BS EN50393:2006, BS6920, 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)

N.B. Full material safety data sheet available on request