FLEXI
LED ROPE

LED Technologies
Creative LED & Effect Technology for the Trade Professional

LED ROPE USER MANUAL

FLEXI
LED ROPE

Primarily designed for outdoor use with a transparent PVC-60P UV-resistant jacket, our superb "Flexi Rope" LED Rope light product features a stunning range of LED colours, supplied on a 50m roll.

Key Features:

- Transparent PVC Rope
- UV resistant
- 60mm Maximum Bend Diameter
- Exclusive UV 395NM Colour Option

- 36 x LEDs at 3W per Metre
- IP65 rated for outdoor / indoor use
- All LEDs fixed in one direction
- Can be cut to size at 1m intervals

Flexi LED Rope User Manual

LED Technologies would like to thank you for your purchase of our Flexi LED Rope. We hope that you enjoy these spectacular products.

If you have any feedback regarding our Flexi Rope, we would be very interested in hearing it. Please leave a review on our Google page for our team to see your feedback.

www.ledtechnologies.co.uk

Review us on Google

Scan the QR code to leave a review on our Google profile.

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Since 2008

SCAN ME!

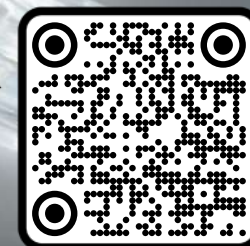## Complete Installation Video Guide Available

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Connecting the Starter Kit to your Flexi LED Rope
(Step-by-Step)

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Flexi LED Rope

Available in the following colours:

- Warm White
- Cool White
- Red
- Blue
- Green
- Yellow/Amber
- Orange
- Aquamarine
- Light Green
- Pink
- Light Violet
- Ultra Violet 395nm

All Flexi LED Rope is supplied on a 50 Metre Roll.

Warm white: 101.971

Cool White: 101.972

Red: 101.973

Blue: 101.974

Green: 101.975

Yellow/Amber: 101.976
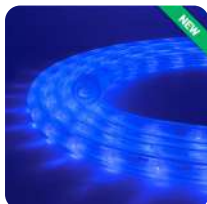
Orange: 101.977

Aquamarine: 101.978

Light Green: 101.979

Pink: 101.980

Light Violet: 101.981

UV 395nm: 101.982

Flexi LED Rope Accessories

List of Accessories available

- **101.983** Starter Set
- **101.984** End Caps (10 pcs)
- **101.985** 2-Pin Connectors (10 pcs)
- **101.986** Heat Shrinks (10 pcs)
- **101.987** Silicone Glue
- **101.988** 1 MTR Profile Pack (5pcs)
- **101.989** Plastic Clip Set (10 pcs)
- **101.990** 2-Pin Starter Connectors (10pcs)

Our Flexi Rope Starter Set is a **required** addition to power your LED Rope.

101.983 Set Includes:

✓ Connection Wire   ✓ 2-Pin Connector   ✓ End Cap   ✓ Heat Shrink Sleeves

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Connecting the Starter Kit

Before you start, ensure you have the following tools and materials ready:

Tools Required:

x1	x1	x1
NOT INCLUDED	*NOT INCLUDED*	*NOT INCLUDED*
New/Sharp Stanley Knife	Strong Pliers	Heat Gun

x1	x1	x1
	NOT INCLUDED	*NOT INCLUDED*
50m Roll of LED Rope	LED Rope Starter Kit	Tube of LED Technologies Silicone Glue
See Website for Full Product List	Product Code: 101.983	Product Code: 101.987

- **1 x** New/Sharp Stanley Knife
- **1 x** Heat Gun
- **1 x** Pliers
- **1 x** Tube of LED Technologies Silicone Glue

- **1 x** 50m Roll of LED Rope
- **1 x** LED Rope Starter Kit

Connecting the Starter Kit to your LED Rope

1. Determine Your Starting Point
- Unroll the 50m LED Rope and select the point where you want to begin your installation. (Either end of the LED Rope)

2. Connect the Starter Connection Pin
- Align the starter connector with the two copper wires on the LED Rope
- Secure the connection by pressing the pin in to the rope with pliers

3. Heat Shrink Sleeve Preparation
- Slide the heat shrink sleeve over the LED Rope, ready to cover the starter connection once the power source has been connected.

4. Plug in the Power Source
- Plug the 2-Pin Connector attached to the LED Rope into the Starter Cable of the starter kit

5. Test the Connection
- Test the connection by turning on the power to the LED Rope
- If the LED Rope doesn't light up, reverse the polarity of the connection
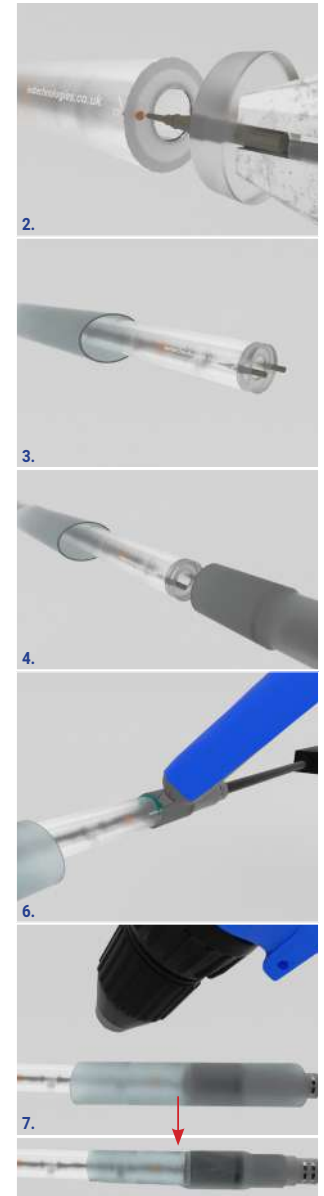- If it still remains unlit, repeat Step 2 and re-test

6. Seal with Silicone Glue
- After successful testing, apply LED Technologies Silicone Glue around the connection
- Allow the silicone glue to dry for at least 20 minutes

7. Waterproofing - Heat Shrink Sleeve
- Slide the Heat Shrink Sleeve from Step 3 over the starter joint
- Use the heat gun to shrink-wrap the sleeve, ensuring a waterproof seal
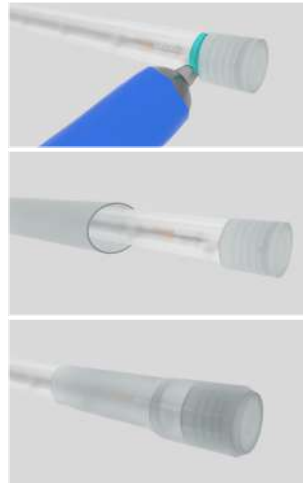
8. Securing the opposite end of the LED Rope
- To finish the setup of your LED Rope, you will need the included end cap to secure the opposite end of your rope

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2.

3.

4.

6.

7.

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Connecting the Starter Kit to your LED Rope (Continued)

9. Seal the End Cap

- Fill the end cap with LED Technologies Silicone Glue and then slide the other Heat Shrink Sleeve from your Starter Kit over the end of the rope

10. Secure the LED Rope

- Insert the opposite end of the LED Rope into the glue-filled end cap

- Apply further Silicone Glue to the connection, allowing it to dry for at least 20 minutes
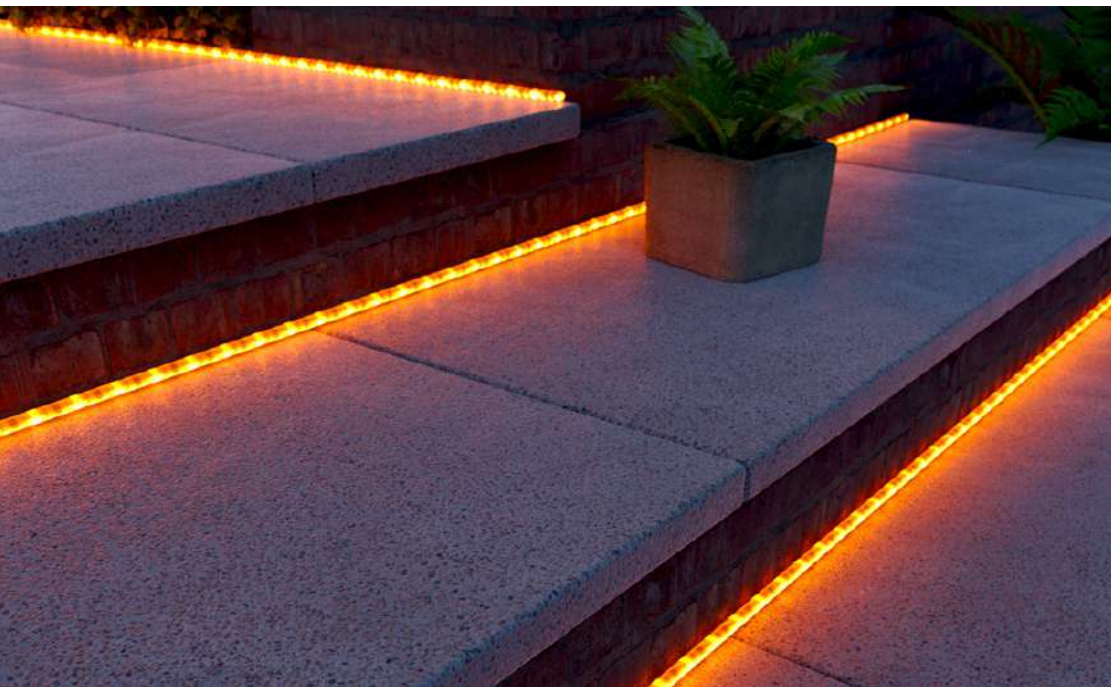
11. Final Waterproofing

- Slide the Shrink Wrap over the LED Rope and end cap, leaving a small overhang to cover the entire end cap

- Allow it to dry using the heat gun to complete your LED Rope Installation

By following these steps, you can successfully install your LED rope for a well-lit and durable solution. Enjoy your LED lighting!

Connecting the Starter Kit Video Guide

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Connecting the Starter Kit to your Flexi LED Rope (Step-by-Step)

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Extending/Replacing a Length of LED Rope

Before you start, ensure you have the following tools and materials ready:

Tools Required:

x1	x1	x1	x1
NOT INCLUDED	*NOT INCLUDED*	*NOT INCLUDED*	*NOT INCLUDED*
New/Sharp Stanley Knife	Strong Pliers	Heat Gun	Tube of LED Technologies Silicone Glue
			Product Code: 101.987

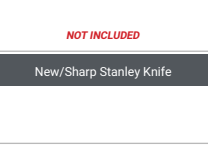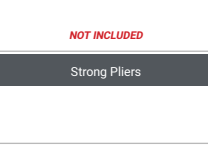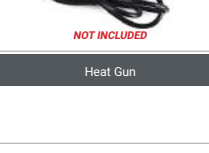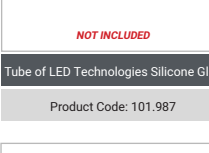| x2	x1	x1	x1
	NOT INCLUDED	*NOT INCLUDED*	*NOT INCLUDED*
50m Roll of LED Rope	LED Rope End Cap Pack	LED Rope 2-Pin Connector Pack	LED Rope Heat Shrink Sleeve Pack
See Website for Full Product List	Product Code: 101.984	Product Code: 101.985	Product Code: 101.986

- **1 x** New/Sharp Stanley Knife
- **1 x** Heat Gun
- **1 x** Pliers
- **1 x** Tube of LED Technologies Silicone Glue
- **2 x** 50m Roll of LED Rope

- **1 x** LED Rope End Cap Pack
- **1 x** 2-Pin Connector Pack
- **1 x** Heat Shrink Pack

Extending / Replacing a Length of LED Rope (Max Length 100m)

1. Choose Your Connection Point
- Decide where you want to connect your LED Rope, keeping in mind the 100-metre limit on a single power supply

2. Make a Clean Cut
- Cut the LED Rope at a marked termination point (Scissors logo every 1 meter)
- Use a sharp blade for a clean cut, avoiding scissors to prevent damage to the connection

3. Prepare the Heat Shrink Sleeve
- Slide the heat shrink sleeve over the cut end of the LED Rope, preparing it for later use

4. Align the LEDs
- Take both separate LED Rope pieces and ensure the LEDs face the same direction for a proper connection

5. Secure the Connection
- Line up the LED Rope connector with the two copper wires on the LED Rope
- Use pliers to firmly secure the connection by pressing it in place

6. Connect the LED Rope
- When you are satisfied with the connection, push the piece of LED Rope you want to connect firmly onto the opposite side of the connector, directly into the copper wires

7. Test the Connection
- Turn on the starting LED Rope
- If the newly connected piece lights up your connection is correct
- If it doesn't light up, check if you have connected the copper wires correctly (if not, remove the connector and repeat steps 5 and 6) or ensure the LEDs are facing the same direction (repeat step 4)

Extending / Replacing a Length of LED Rope (Continued)

8. Seal and Waterproof

• Once you're happy with the tested connection, generously apply LED Technologies Silicone glue around the joint, covering all gaps, to create an airtight seal

• Allow the silicone to dry for at least 20 minutes

9. Apply Heat Shrink Sleeve

• Slide the heat shrink sleeve over the entire connection, covering both sides of the LED Rope and connector

• Use a heat gun to shrink-wrap the sleeve, ensuring a waterproof seal

• Allow it to dry for an additional 20 mintues

10. Secure the Opposite End of the Rope

• To finish the setup of your LED Rope, you will need an end cap from the pack of 10pcs to secure the opposite end of your rope
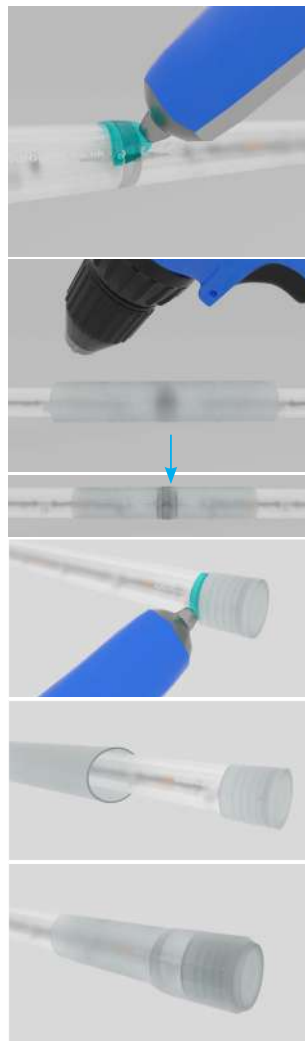
11. Seal the End Cap

• Fill the end cap with LED Technologies Silicone Glue and then slide the other Heat Shrink Sleeve from your Starter Kit over the end of the rope

12. Secure the LED Rope

• Insert the opposite end of the LED Rope into the glue-filled end cap

• Apply further Silicone Glue to the connection, allowing it to dry for at least 20 minutes

13. Final Waterproofing

• Slide the Shrink Wrap over the LED Rope and end cap, leaving a small overhang to cover the entire end cap

• Allow it to dry using the heat gun to complete your LED Rope Installation

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Extending/Replacing a Length Video Guide

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Extending and Replacing a length of Flexi LED Rope
(Step-by-Step)

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LED Rope Light

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101.971
NEW

Warm White

101.972
NEW

Cool White

101.975
NEW

Green

101.976
NEW

Yellow

101.973
NEW

Red

101.974
NEW

Blue

101.977
NEW

Orange

101.978
NEW

Aquamarine

LED Rope Light

101.979
Light Green

101.980
Pink

101.981
Violet
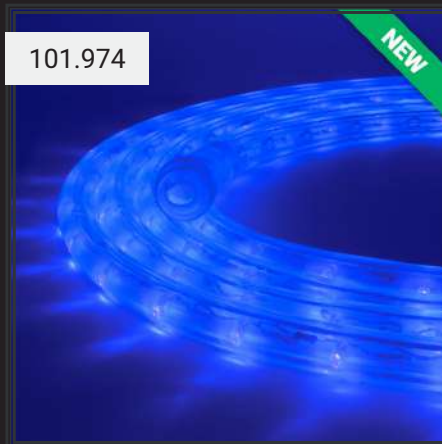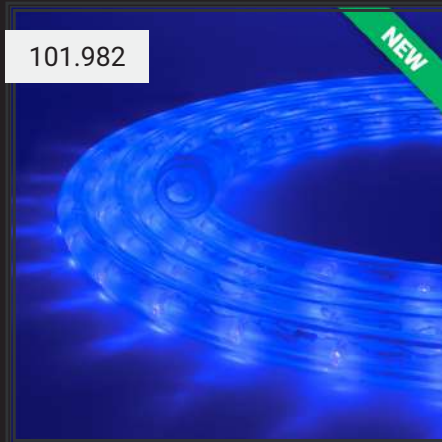
101.982
Ultra Violet

LED Rope Light

Accessories

101.983
Starter Kit

101.984
End Caps (10pcs)

101.985
2-Pin Connectors (10pcs)

101.986
Heat Shrink Sleeves (10pcs)

101.987
Silicone Glue

101.988
Rope Profile (5pcs)

1 MTR

101.989
Rope Fixing Clips (10pcs)

101.990
Starter 2-Pins (10pcs)

Simple Installation

The 101.983 Flexi Rope starter kit must be used with our 50m rolls of LED Flexi Rope in order to connect the Flexi Rope to the mains power supply.

- **Starter Cable:** Provides power to the Flexi Rope

- **2-Pin Starter Connector:** Links the Flexi Rope and Starter Cable

- **End Cap:** Provides a waterproof seal to the end of your Flexi Rope

- **Heat Shrink Sleeves:** Provides tight seals over joints and connections.

Product Code: 101.983

2-Pin Connector (Pack of 10 pcs)

The Flexi Rope Link connectors are supplied in packs of 10 x connectors that are fitted with pointed pins on both sides for the connector, unlike the starter pin connectors which have rounded pins on one side and pointed pins on the other side, the link connectors are designed to link multiple lengths of Flexi Rope together.

Note: The maximum length of the connected Flexi Rope is 100m.

Product Code: 101.985

2-Pin Starter Connector (Pack of 10 pcs)

The starter pin connector is supplied in our Flexi Rope Starter Kit (101.983) and are also available in a pack of 10 (101.990).
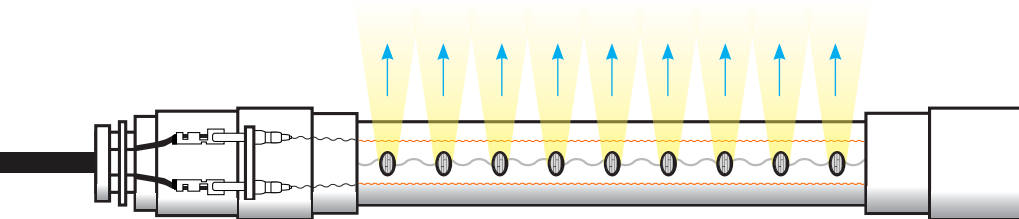
This 2-Pin Starter Connector links the end of the Flexi Rope and the power source of our Flexi LED Starter Kit together.

Product Code: 101.990
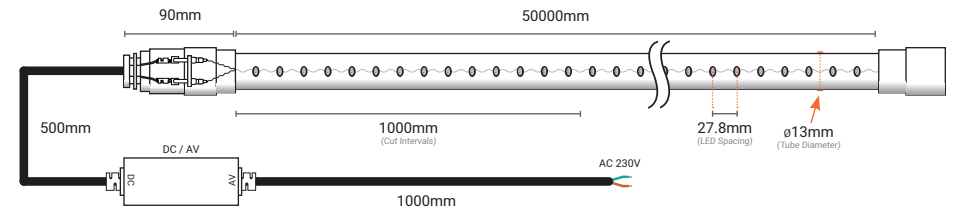
Flexi LED Rope Diagram

Light Direction

The diagram above shows the arrangement of LEDs within the Flexi Rope. They are all facing the same way. This design not only ensures a consistent and uniform glow but also opens up new possibilities for uplighting. The LEDs enable the rope to deliver an increased level of brightness with all the light directed in the same direction.

Connection Diagram
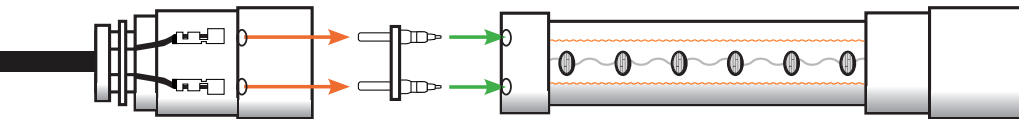
1. Starter pin must be connected to the start of the LED Rope.
2. Firmly insert in to the two holes to connect to the wires inside the LED Rope.
3. Slide your Solder Heat Shrink Sleeve over the end of the LED Rope.
4. Push the connector on to the end of the LED Rope, ensuring the connector pins go through the holes.

Product Dimensions

90mm   50000mm
500mm
DC / AV
1000mm
(Cut Intervals)
27.8mm
(LED Spacing)
ø13mm
(Tube Diameter)
AC 230V
1000mm

Product Warranty

Flexi LED Rope is a decorative product for Professional installation and set up only. Installation must be adhered to. We provide a manual and video instruction. This must be followed correctly to ensure a long life.

Your warranty is void if we deem the following:

Water ingress due to incorrect assembly – water ingress can happen slowly and failure may take some time, you are not covered under warranty if there is any evidence of water ingress.

LED Failure. If any LEDs have failed then we reserve the right to replace 1mtr lengths and will provide the joining connectors – we will not replace the whole roll. Normally a small number of LEDs will fail in the 1st year, and this is not a product fault and will be considered acceptable.

+/-10% Tolerance on all specifications.
We reserve the right to change specifications without notice. E&OE
This manual is by no means exhaustive.

Please contact us for specific requirements/applications before purchase.

📞 01260 540014   ✉ sales@ledtechnologies.co.uk

FLEXI
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60mm
Maximum Bend
Diameter

01260 540014

Mon - Thurs: 8:30 to 17:00
Fri: 8:30 to 16:30

Live Chat

Mon - Thurs: 8:30 to 16:45
Fri: 8:30 to 16:15

(E&OE) Specifications may change without notice

www.ledtechnologies.co.uk