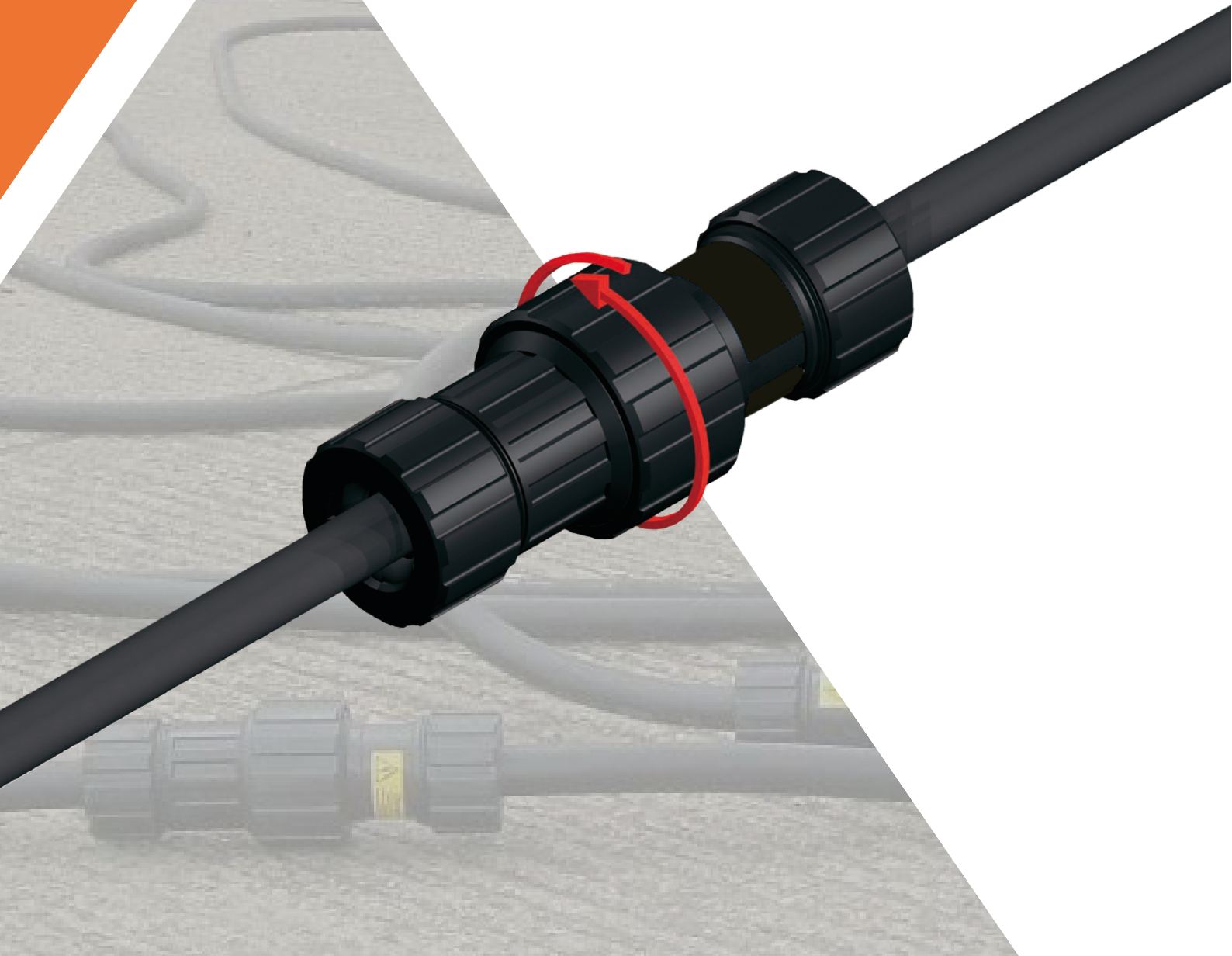




# Lugit

Power Cable Joining System

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# Introduction

## Lugit

### Power Cable Joining System

LUGIT is a safe and efficient to make temporary connection/ extensions of single core power cables that are pre-terminated with copper lug terminals.

#### The main features are:

- Increase cable utilisation
- Standardise on cable stock
- Decrease cable purchase
- Reduce transportation of cables
- IP67 Protected when assembled
- 2 Lugit sizes available depending on Lug and cable dimensions
  - From 35mm<sup>2</sup> up to 120mm<sup>2</sup>
  - From 150mm<sup>2</sup> up to 300mm<sup>2</sup>
- Lug palm widths up to 45mm
- External Cable Ø from 14.5mm up to 37mm
- Assembles in approx. 2 minutes
- No special tools required
- Reusable and Field Installable
- No need for connectors or junction boxes

Consult Ten 47 if using different Lug sizes and/or cable sizes.

LUGIT 185/300



LUGIT 35/120



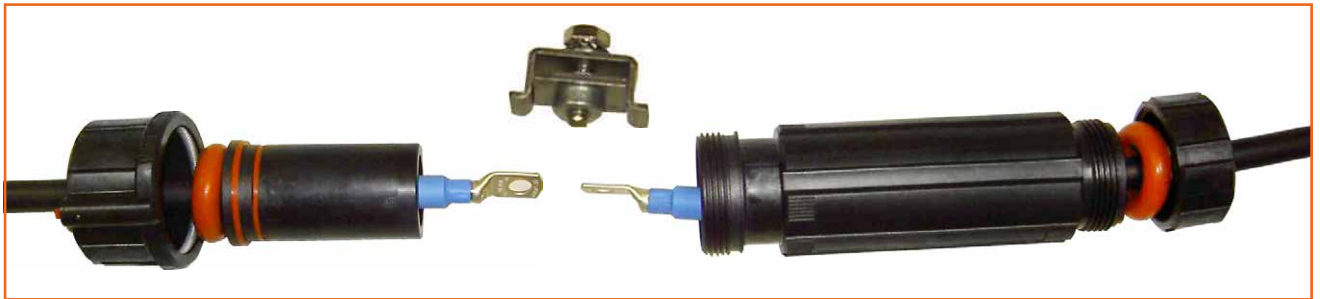
Locking / Release Key  
REM-LK

# Parameters

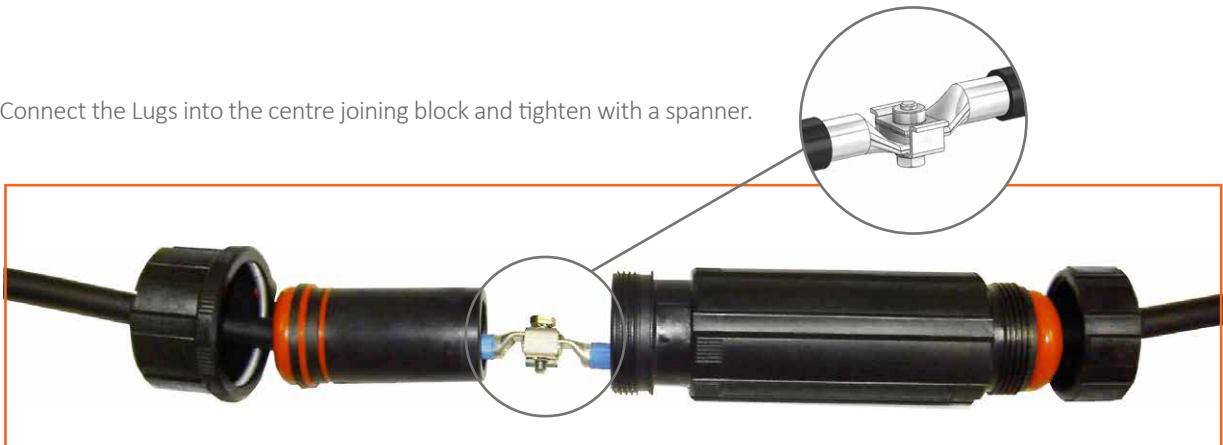
Technical Parameter	Value
Operating Voltage	1000Vac
Max Current	660Amp (depending on cable c.s.a and application)
Voltage to Earth	max 2kv ac / 3kv dc
Flashover	min 6.8kv ac - 1 minute
Insulation Resistance	>5Mohm @500V dc
Voltage Drop	<5mV

# Assembly Instructions - LUGIT 35/120

- 1 Assemble the components over the 2 cables to be joined as shown.



- 2 Connect the Lugs into the centre joining block and tighten with a spanner.



- 3 Slide the Inner sleeve towards the joined cables and then slide the Lugit body over the inner sleeve. This keeps the joined cables positioned in the centre of the Lugit body. Position each of the sealing donuts and tighten the rear backnuts.

- 4 Using the remote locking/release key, turn the “red” locknut clockwise to lock and secure the Lugit. Turn anti-clockwise to unlock the Lugit to allow removal from the cables.

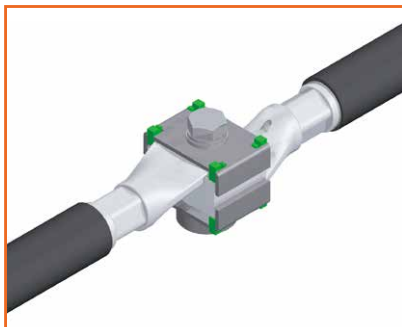


# Assembly Instructions - LUGIT 185/300

- 1 Assemble the components over the lugs and onto the cables.



- 2 Connect the Lugs into the joining block and tighten with a spanner.



- 3 Ensure the Backshell Keys are correctly positioned to mate with each otherspanner.



- 4 Rotate the central locking ring until locks into the mated position, then tighten both backnuts.



- 5 Lock the Central Locking Ring using the remote locking / release key.



- 6 Fit coloured identification bands if required.

# Part Numbers

Item	Part Number	
Lugit Unit	LUGIT 35/120	LUGIT 185/300
Green Band	LCB-GN	LCB-GN
Blue Band	LCB-BU	LCB-BU
Brown Band	LCB-BR	LCB-BR
Black Band	LCB-BK	LCB-BK
Grey Band	LCB-GY	LCB-GY
Locking / Release Key	REM-LK	REM-LK
Lug Palm Width	30mm max / 10mm or 12mm	45mm max / 12mm
External Cable Ø	14.5mm - 25mm	20mm - 37mm





## Also available from **Ten 47**



### Cable Protection Systems

Our ever growing **cable ramp range** stretches from a low profile single channel to a modular system where you can effectively have a limitless number of large channels. We also have mobility access systems and have innovated by design a locking lid system to deter cable theft.

Our customer branded products at a low cost and short lead time have proven to be extremely popular. **CableGuard** is made to the highest specification and quality.



### Powerline QC

#### Our unique single pole connector

Building on our proven original Powerline connector series with familiar safety features such as mechanically keyed, colour coded insulators and finger proof contacts. The Ten 47 "**Powerline QC**" range offers many enhancements over existing designs. Compatible with ITT/Veam Powerlock connectors and similar products.



For our complete range of products visit our website at [ten47.com](https://www.ten47.com)



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