

## GILS Kit

### Guard interconnecting lead and strap kit



- Reduce variations in results
- Elastic straps ensure connection with test piece
- Interconnecting leads give versatility to guard terminal
- Silicone grease adds an extra layer of certainty for connection
- Makes guard terminal more effective
- Carry holdall for ease of transportation

#### DESCRIPTION

The Guard and Interconnecting Lead and Strap (GILS) kit is an accessory that can be utilised to make all the guard connections required when testing an asset. Using the guard terminal is crucial for getting a reliable result, making all of the necessary connections requires a method of making a 360° contact with bushing surfaces to block all of the surface leakage current. Quite often, pieces of bare wire are used, however this is time consuming and does not guarantee a good contact with bushing surfaces.

#### FEATURES

The conductive elastic straps are able to provide a consistent, 360° contact with surfaces which helps in reducing the amount of variation in the test result by minimising any unwanted leakage current going through the test piece. The Interconnecting guard test leads provide the option to be able to make more guard terminations on the asset under test. This becomes more useful with an increased surface area that is needed to cover on assets such as in HV switch yards. Silicone grease can also be utilised to reduce the chance of leakage impacting the result even further by ensuring the most secure connections are made.

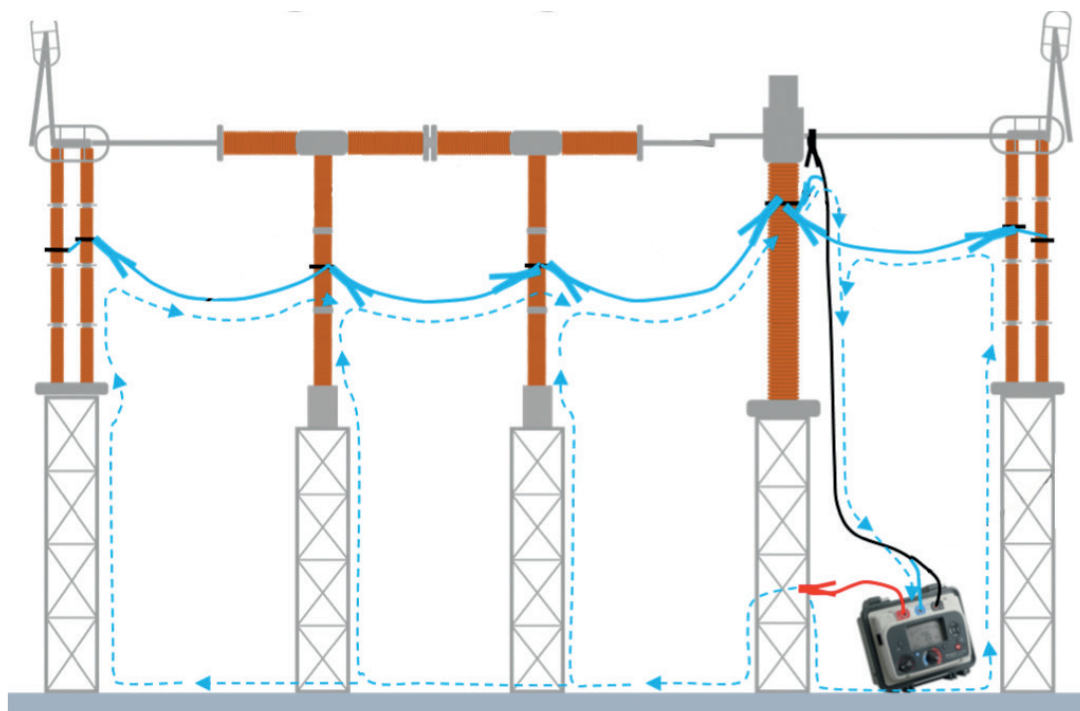
#### APPLICATION

Applications for the GILS kit are very diverse as it can be used anywhere that the guard terminal can be used, some examples are but not limited to:

- Motors
- Cables
- Switch gear
- Transformers
- Bushings
- Railways
- Circuit breakers
- Manufacturing
- Hospitals
- Wind farms
- Power stations
- Aerospace

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GILS kit in use to guard against surface leakage disrupting the measurement.

#### SPECIFICATIONS

##### GILS1:

- Elastic conductive straps (hot collar straps)
  - 9 straps of different lengths
    - 3x 1.5 m
    - 3x 0.8 m
    - 3x 0.5 m
- Guard interconnecting leads
  - 5 m long x2
  - 12 m long x2
- Carry holdall (heavy duty)



##### GILS2:

- Elastic conductive straps (hot collar straps)
  - 9 straps of different lengths
    - 3x 1.5 m
    - 3x 0.8 m
    - 3x 0.5 m
- Guard interconnecting leads
  - 5 m long x2
  - 12 m long x2
  - 1 m long x3
  - 2 m long x3
- Carry holdall (heavy duty)
- Silicone grease



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### SAFETY

<b>Double insulation rating:</b>	5 kV DC (3 kV DC for 1/2 m)
<b>Basic Insulation rating:</b>	10 kV DC (6 kV DC for 1/2 m)
<b>Standards:</b>	IEC 61010-1:2010
<b>Safety category:</b>	CAT IV 600 V

### Guard interconnecting leads

For 5 m or 12 m:

#### MECHANICAL

<b>Dimensions:</b>	220 (L) x 134 (closed) mm
<b>Weight:</b>	1.25 kg (5 m) 2.6 kg (12 m)
<b>Jaw opening:</b>	34 mm diameter max

For 1 m or 2 m:

#### MECHANICAL

<b>Dimensions:</b>	139 (L) x 73 (closed) mm
<b>Weight:</b>	0.47 kg (1 m) 0.8 kg (2 m)
<b>Jaw opening:</b>	18 mm diameter max

### ORDERING INFORMATION

Description	Part number
GILS1	1011-357
GILS2	1011-358

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