merytronic
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MV & LV Live, and De-energized cable identifier

Ariadna CI

In electrical maintenance works, in order to cope with safety standards, it is necessary to identify de-energized and energized MV/ LV cables unambiguously prior to its manipulation. Cutting the wrong cable may result in personnel live threat or power supply failure.

The **Ariadna CI** cable identifier is an advanced, yet simple to operate, digital tool. With a single device, it allows users to easily identify de-energized cables and MV & LV live cables among multiple conductors, in trenches, manholes, panels, aerial/underground conversions, etc.

Standardized by world's leading Electric Utilities for electric safety procedures.

> Fully reliable identification
- **De-energized cable**
- **Live MV cable**
- **Live LV cable**

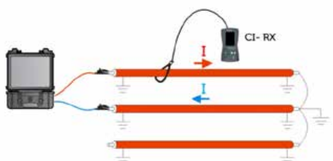
> Single-phase and three-phase cables
> Signal injection by direct connection or induction clamp

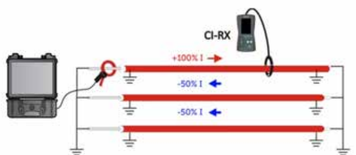
> Identification sound alert (CI-Rx)
> Detects amplitude and polarity of the active signal
> Cable length > 50 km (direct connection)
> Rechargeable battery in transmitter (CI-Tx), operation time>24h

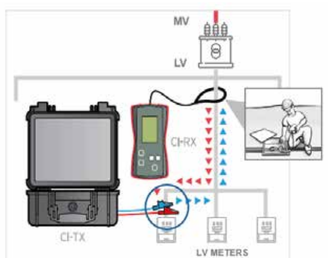
Connection diagrams

Connection diagrams for dead cable identifier

Applicable for Ariadna CI, Ariadna CI-DE and Ariadna IC2G

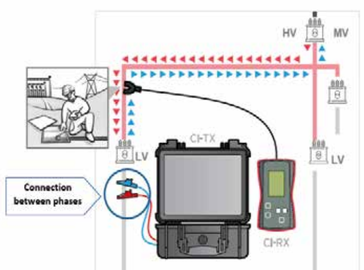






Connection diagrams for energized LV cable identifier

Applicable for Ariadna CI and Ariadna IC2G



Connection diagrams for energized MV cable identifier

Applicable only for Ariadna CI

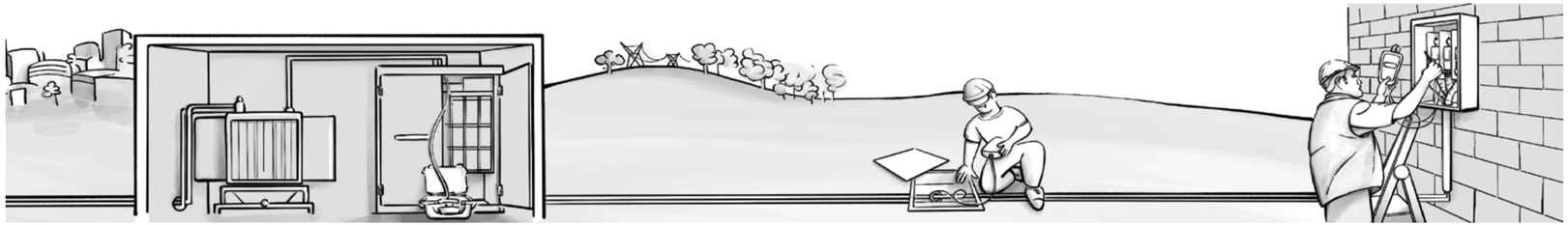
De-energized cable identifier

Ariadna CI-DE

Ariadna CI-DE device allows to identify any de-energized cable in a RELIABLE, EASY and SAFE. In maintenance tasks, it helps users to easily identify de-energized electric cables.

> De-energized cable identification
> Single-phase and three-phase cables
> Connection:
- Direct connection (Galvanic)
- Induced with induction clamp

> Cable length > 50 km (direct connection)
> Identification sound alert (CIDE-Rx)
> Operation time > 24h at level 2



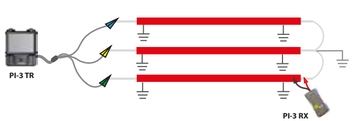
De-energized three phase identifier

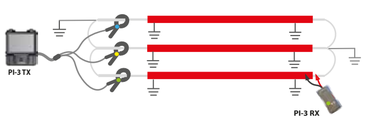
Merytronic PI-3

Merytronic PI-3 MV & LV cable identifier is a robust, user friendly and advanced digital tool. It helps users to easily identify any de-energized electric cable and its phases, among multiple conductors, in substations, trenches, manholes, panels, aerial/underground conversions, etc

The transmitter includes three inductive clamps (or crocodiles). Therefore, it can detect each one of the phases of a feeder without changing the transmitter connection. It also helps to identify both de-energized cables prior to be cut and open cables (once they have already been cut) to join the phases of both sides correctly

> Identify any De-energized cable
> Single-phase and multi-phase cables
> Signal injection:
- Direct connection
- Induced with induction clamp
> Max. cable length > 50 km (*)
> Rechargeable battery in transmitter. Operation time > 12h
> Identification sound alert





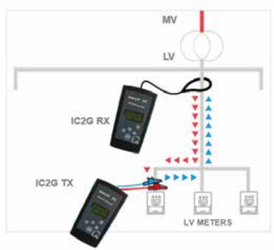
Ultraportable Live network cable identifier

Ariadna IC2G

Merytronic has developed the **Ariadna IC2G**, an ultraportable Cable Identifier which is used in LV distribution cables for positive cable identification.

The Ariadna IC2G Cable Identifier consists of a transmitter (IC2G-Tx) and a receiver (IC2G-Rx). This device is easy to use: the transmitter (TX) is connected to an LV distribution cable and the receiver (Rx) is used to identify or locate that cable upstream, towards the MV/LV transformer.

> Positive cable identification without de-energizing the network
> Works on LV distribution cables up to 250 Vac (50 / 60 Hz. networks)
> Sensor Ring: Identifies cables by placing a sensor ring around the cable
> "U" sensor: Identifies conductors by touching the cable
> Single-phase and three-phase cables
> Positive identification is achieved in seconds
> Easy to use due to automatic synchronization between transmitter and receiver



Contact us for more information:

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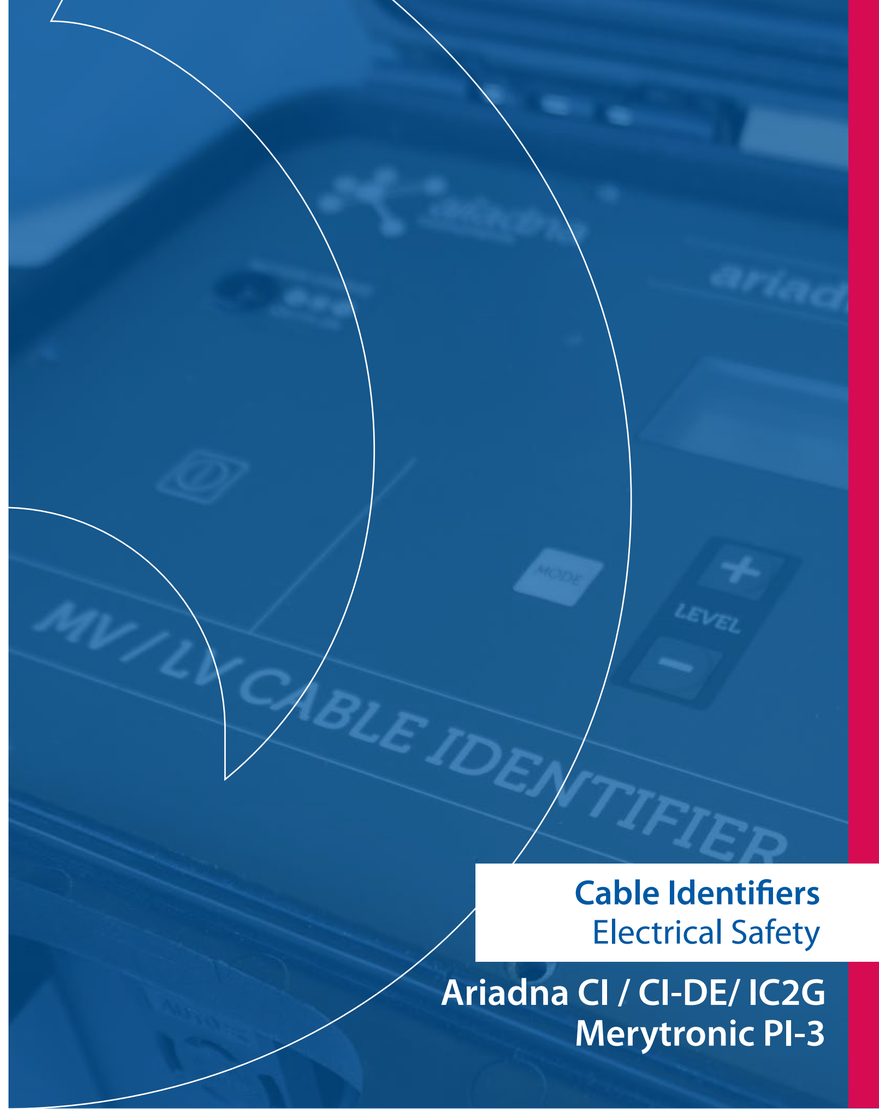

Cable Identifiers
Electrical Safety

Ariadna CI / CI-DE/ IC2G
Merytronic PI-3

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