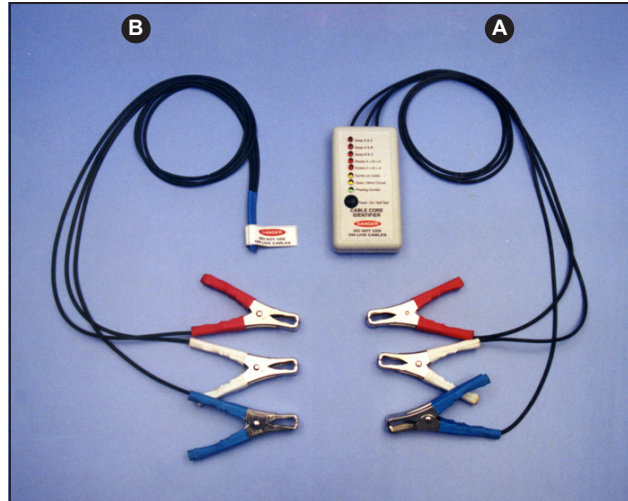




## General Test Equipment

### Cable Core Identifier



#### Description:

The Cable Core Identifier is a product designed to clearly identify the cores and their sequence in a three-phase power cable. It has the added features of clear indication of the action to be taken to correct the core sequence, or to remove a fault on any cable core(s).

The CCI uses a transmitter unit with LED indicators at the measuring end, and an array of colour-coded diodes with connecting clips to fix the diode leads to the remote end of the cable to be checked. The diode array is supplied as part of the CCI, or may be supplied as a separate assembly.

The CCI is for use on **DE-ENERGISED CABLES ONLY**. Therefore correct operating procedures must be employed to ensure the cable is de-energised and any voltage discharged before connection of the CCI or its diode array.

#### Features:

Indicates correctly matched cores & phase rotation sequences between ends

Indicates individual faults such as -

- Two phases reversed
- Phases rotated forwards / backwards in sequence
- Earths in place on cable
- Equipment connected to cable (not properly isolated)
- Open-circuited or short-circuited cores

Easily self-tested

Powered by onboard battery - no mains supply

Automatic turnoff after 3 minutes

Will operate correctly on cables up to 33kV, lengths up to 10km

*Continued on next page*



## General Test Equipment

### Cable Core Identifier

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**Technical Data:**

Charging circuit voltage range	3.8-4.4Vdc
Internal charging resistance	100 ohms
Maximum cable core loop resistance	28 ohms
Maximum core voltage drop	1.4Vdc
Nominal charging current	50mA
Charging time (to 2Vdc)	100mS
Battery voltage	9Vdc Alkaline
Enclosure protection rating	IP32
Operating temperature range	-10°C to +50°C

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**Weight:** 320g (complete unit) **A** + **B**

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200g (replacement diode and leads) **B** only

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**Code:** CCI-AUS (complete unit) **A** + **B**

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DIODELEADS (replacement diode and leads) **B**

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BAGTEST (optional carry bag)

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