

Cable Core Identifier Datasheet

Features

- IDENTIFIES CABLE CORES PRIOR TO JOINTING
- COMPACT AND EASY TO CONNECT
- ROBUST CONSTRUCTION
- SIMPLE TO OPERATE
- BRIGHT COLOURED LED's FOR
- CLEAR CORE IDENTIFICATION
- PP3 BATTERY POWER
- HEALTHY BATTERY TEST LAMP
- INEXPENSIVE

Description

The Cable Core Identifier (CCI) comprises a Transmitter and a Receiver Unit, each with flexible cables and clip leads. The transmitter and receiver boxes are made from tough ABS plastic and each display a label with full operating instructions.

The transmitter is powered by a PP3 battery and has an easily accessible battery compartment. The receiver does not require an integral power source.

The Test leads are colour coded Red, Yellow and Blue for phase identification. They are CSP insulated to 1000V. These clip leads are terminated in both transmitter and receiver by a cable gland.

The Test leads are each fitted with durable chrome flexible PVC insulated sleeve.

Connections and Operation Remote End

The CCI. Receiver unit is connected at the remote cable end.

1. Insert test plugs into switch
2. CCI receiver

Connect Red lead to Core 1/Red phase of cable to be tested.

Connect Yellow lead to Core 2/Yellow phase.

Connect Blue lead to Core 3/Blue phase.

3. Check Transmitter by testing the Transmitter against the Receiver i.e. Tx Red to Rx Red, Tx Yellow to Rx Yellow and Tx Blue to Rx Blue. Remove switchgear or system earth. Push Test Button and check all lights glow.

Point of Test

1. All System earths on cable under test must be removed prior to testing.

2. Transmitter Battery Test — before connecting the transmitter leads to the system press the black “test” button — if ‘Green’ lamp only lights up then the battery is sound. If the Green lamp fails to light then change the battery (Type PP3 9v Battery).

3. CCI Transmitter

connect Red lead to Core 1/Red phase of cable under test.

connect Yellow lead to assumed Core 2/Yellow phase of cable. Connect Blue lead to core 3/Blue phase.

4. Press Black Test Button and observe LED indications. The Green lamp will always light if the battery is healthy. If Red & Yellow LED's illuminate then the core identification is correct relative to the remote end.

The Blue core is thus assumed to be correct. If either or both the Red and Yellow LED's fail to light, then change connections until both illuminate together.

5. Correct core identification is ONLY achieved when the Red and Yellow LED's are BOTH illuminated simultaneously. The blue core is assumed to be the third core.
plated crocodile clips which are covered with a

Technical Specification

Transmitter and receiver Boxes

Beige ABS plastic

Anodised Aluminium Labels

Dimensions Each Box

58mm x 23mm x 96mm (excluding cable gland)

Flexible leads

-Black 1000V Flexible Synthetic Rubber (C.S.P.)

55/0.15mm Tinned Copper

Length each lead 70cm.

Flexible leads colour coded with PVC coloured sleeve

Rating 2KV ac/dc 10A

30 degrees C to +85 degrees C

4mm overall diameter

LED's -Ultra bright tinted clear lens 5mm dia. Red 28 deg. Viewing Angle 40 mcd @20mA

Yellow 28 deg. Viewing Angle 45 mcd @20mA

Green 35 deg. Viewing Angle 25 mcd @20mA

Optional carrying case — seamed nylon bag. Range — 200 ohms loop resistance

Battery Power PP3 9v Battery Transmitter only