

## Test Reels



Earth Continuity Extension Reel to 4mm Plug.

**CIH299430** - 30m

**CIH299450** - 50m

Supplied with 1 x Push fit Croc Clip.

Cable:

Conforms to IEC 61010

## Test Lead Sets

**CLIFF®** test leads are semi custom made to order. We can combine any of the components shown in this brochure to produce leads to suit most applications. We have 3 kinds of standard double insulated cable. Rated 1KV (PVC), 5KV and 12KV (SILICONE). Available in colours Black, Red Green, Blue and Yellow.



**CIH7250** - PV Solar Test Lead MC4 male and female to 4mm plugs. 1m silicone cable.

MC4 4mm<sup>2</sup> single-contact male and female connectors incorporating a flexible watertight seal for connecting to photovoltaic (solar) panels. Rated at 20A.



**CIH22105** - LV PAT / Earth bond test lead with black shrouded crocodile clip to 4mm plug. 2m silicone cable. Black.

**CIH22110** - LV PAT / Earth bond test lead with black shrouded crocodile clip to 4mm plug. 1.2m silicone cable. Black.

For low voltage use only. Rated 48V maximum 1A.

# CLIFF

## TEST CONNECTORS & ACCESSORIES



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The CLIFF range of test lead and instrument parts is made from high grade engineering plastics, and precision metal parts. The parts comply with EN61010 Sec 2-031 where applicable. Parts are available for up to 12KV with various CAT ratings. All products conform to CE norms and comply with RoHS / REACH requirements.

The range comprises:-

- Ø2mm. test plugs and chassis sockets.
- Ø4mm. test plugs and chassis sockets.
- Fused and Unfused (cable end) test probes.
- Crocodile clips. Insulated and non-insulated.
- Test Reel.
- Standard assembled test leads.

## Ø2mm. and Ø4mm. Plugs for cable connection.



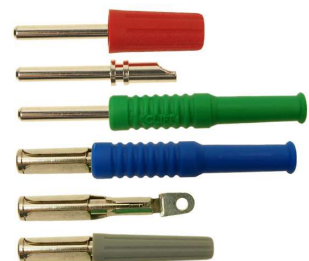
### P18

Unshrouded 2mm. plug. Available in 5 colours. Supplied unassembled. Mates with S18. Part No. **FCR7365** + add colour suffix  
**B** -Black, **G** -Green, **L** -Blue, **R** -Red, **Y** -Yellow



### P18S

Shrouded 2mm. plug. Available in 5 colours. Supplied unassembled. Mates with S18. Part No. **FCR7366** + add colour suffix  
**B** -Black, **G** -Green, **L** -Blue, **R** -Red, **Y** -Yellow



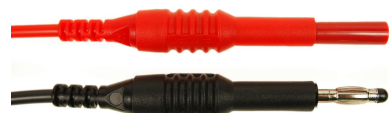
### P12, P13, P14, P15

Unshrouded 2mm and 4mm. plugs. Available in 8 colours. Supplied unassembled. Part No. Various. Please refer to drawing.



### P14X

4mm. shrouded plug (can be with or without rating). Available in 5 colours. Nickel plated.



### P14XASR

4mm nickel plated plug with retractable shroud and cable restraint collet. Rated 1000V, 10A maximum, CAT II. Available in various colours.

**FCR6381B** - P14XASR 4mm CLIFF plug in black.  
**FCR6381R** - P14XASR 4mm CLIFF plug in red.

For further information, contact [sales@cliffuk.co.uk](mailto:sales@cliffuk.co.uk)

## Crocodile Clips INSULATED AND NON INSULATED

Our range of durable crocodile clips are made from high grade engineering plastics, with tin or nickel plated metal parts.



### CRC/01

Basic rating 600V CAT III (1000V CAT II). Available in black, red, blue, green, brown, yellow and green / yellow. 4mm socket at rear accepts shrouded plug. Tongue at front to catch small wires or conductor pins. Jaws open to min. 25mm. EN61010 compliant.



### CRC/01X

Basic rating 600V CAT III (1000V CAT II). Extended rear shroud version of CRC/01. For use with TPR/1 or TPR/1C. Curved jaws give good grip on bushbars. Jaws open to min. 25mm. EN61010 compliant.



### CRC/01KV

1KV CAT III. Tongue at front to catch small wires or conductors. Jaw opens to min. 35mm. Also available with extender rear for attachment to our test probe e.g. TPR1 or TPR1L



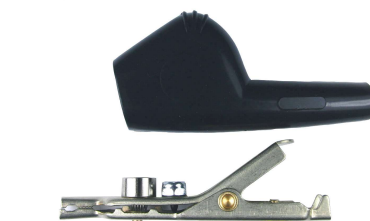
### CRC/02

Miniature croc clip. Used in applications where access is restricted, especially telecoms situations. 4mm socket at rear accepts shrouded or unshrouded plugs. 300V CAT II. EN61010 rated.



### CRC/M

All metal uninsulated croc. Generally used for earth testing. Curved jaws give a good grip on bushbars. A PVC boot in black or red is available as an option. Jaws open to min. 25mm. Not EN61010 rated.



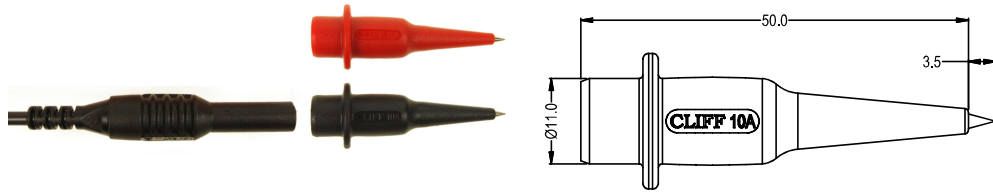
### CRC/BON

"Bed of Nails" croc with insulation piercing point. Mostly used in USA telecoms testing. Optionally available with just the piercing point. A range of coloured PVC boots are available. Jaws open to min. 25mm. Not EN61010 rated.

## Test Probes

### TRP5 - FCR19505

Short test probe rated 1KV CAT III for connection to standard shrouded 4mm plugs.



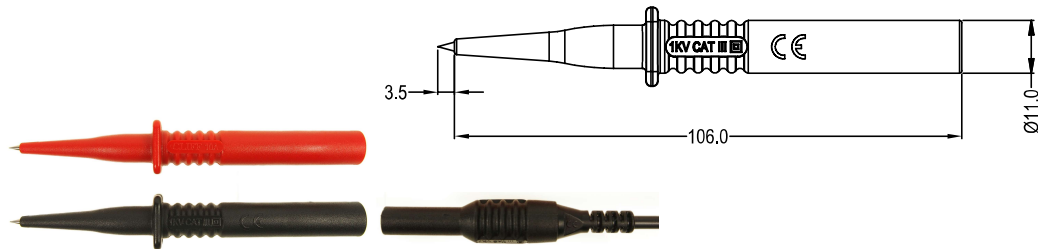
### TPR6 - FCR19506

Test probe rated 1KV CAT III for connection to standard unshrouded 4mm plugs.



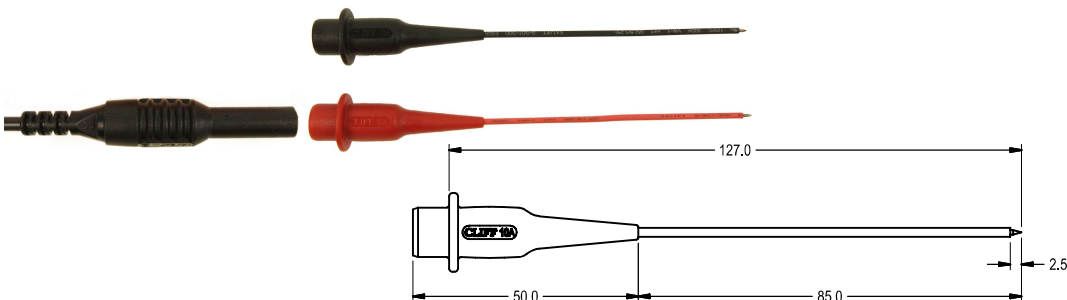
### TPR7 - FCR19507

Extended test probe rated 1KV CAT III test probe for connection to standard shrouded 4mm plugs. Makes a longer probe which is easier to hold.



### TPR9 - FCR19509

Extended spike test probe rated 1K CAT III test probe for connection to standard shrouded 4mm plugs.



For further information, contact [sales@cliffuk.co.uk](mailto:sales@cliffuk.co.uk)

## Ø2mm. and Ø4mm. Plugs for cable connection.



### P14XBR

4mm nickel plated plug with fixed shroud and cable restraint collet.

Rated 1000V, 10A maximum, CAT III.

Available in various colours.

**FCR6361B** - Black with CLIFF logo

**FCR6361R** - Red with CLIFF logo



### P149XR

4mm. fixed shroud plug 90° with cable restraint collet. Available in 5 colours.

Tin / Nickel plated.

**FCR6341B** - 90° plug with CLIFF logo

**FCR6341R** - 90° plug with CLIFF logo



### P20

4mm. 5/10 or 12KV rated plugs for HV applications. Not intended for mains use, so no CAT rating. Special connector for HV testing.



## Ø2mm. & Ø4mm. Chassis Sockets

Our range of chassis sockets are made from high grade engineering plastics. Metal parts are precision machined and nickel, silver or gold plated depending on model. The 4mm. models have a variety of tag options. The most professional models are insert moulded. Mounting hardware is supplied or it is available to order.



### S18

2mm. socket unshrouded. Mates with plug P18. Available in 5 colours. Gold plated.

Part No. **FCR7360** + colour suffix.

**B** -Black, **G** -Green, **L** -Blue, **R** -Red, **Y** -Yellow



### S14

4mm. socket unshrouded. Mates with most unshrouded plugs. Available in 8 colours. Nickel plated.

**CL1450** - Black **CL1452** - Red **CL1454** - Yellow

**CL1456** - Blue **CL1458** - Grey **CL1460** - Green

**CL1462** - Brown **CL1464** - White



### S16C

4mm. socket shrouded. Mates with shrouded or unshrouded plugs. Available in 7 colours. Gold plated.

**FCR14460** - Black **FCR14461** - Red **FCR14462** - Yellow

**FCR14463** - Blue **FCR14464** - Grey **FCR14465** - Green

**FCR14467** - White

### S16N

4mm shrouded socket. Mates with shrouded or unshrouded plugs. Available in 5 colours. Nickel, Tin or Gold plated.

Part No. colour suffix: **B** -Black, **G** -Green, **L** -Blue, **R** -Red, **Y** -Yellow

There are a number of terminal options for S16N:



### FCR7350?

S16N-PC <Colour>  
90° PC mounting.



### FCR7357?

S16N <Colour> WNW  
Solder tag.



### FCR7351?

S16N/PC VERT <Colour> WNW  
PCB Pin.



### FCR73575?

S16N/4.8 <Colour> WNW  
4.8mm Faston tag.



### FCR7356?

S16N/6.3 <Colour> WNW  
6.3mm Faston tag.

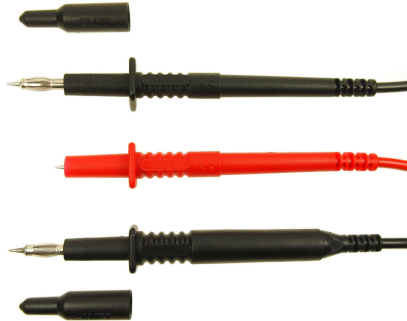


### FCR7358G?

S16NS <Colour>/G WNW  
M4 threaded stud.

## Test Probes

Test probes are designed for connection to cable by soldering or crimping - depending on the metal inserts used. Crimping is the preferred type of connection, but it requires special tooling, so most customers buy prods ready assembled onto cable. These products are rated at 1KV CAT III with caps fitted. Ratings of 2, 3 or 4KV are possible on TPR/3 depending on construction used and EN61010 norms applied. Standard colours are Black and Red. Other colours subject to quantity.



### TPR/1

Test probe. 1KV CAT III with cover fitted, CAT II without, for direct cable connection. Unfused.

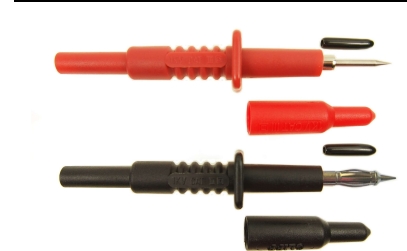
Supplied with removeable tip cover.

### TPR/1B

Test probe. 1KV CAT III. No cap.

### TPR/1C

As TRP/1 but supplied unassembled, with collet cable clamp. Solder connection



TPR/1S Spiked test probe. Unfused. Has 4mm. shrouded socket connection, so converts 4mm. shrouded plug into a test prod lead. 1KV CAT III with tip cover fitted, CAT II without.

TPR/1SL Lantern contact test probe. Unfused. Has 4mm. shrouded socket connection, so converts 4mm. shrouded plug into a test prod lead. 1KV CAT III with tip cover fitted, CAT II without.



### TPR/2

Fused test probe 1KV CAT III, for either direct cable connection or 4mm. socket connection.



### TPR/2S

As TPR/2 but with retractable spring loaded shroud, exposing 4mm. lantern probe. 1KV CAT II



### TPR/2 CROC CLIP ATTACHMENT

This is for converting TPR/2 into a fused croc clip for direct cable connection. 600V CAT III / 1KV CAT II.

