

Test Leads



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.

Special leadsets and Assemblies

In our UK and China factories, we make a large number of customised leads and assemblies. These can combine standard power plugs with test leads, custom made instrument plugs, and other customised connectors. We can insert mould cables into special configurations. We can proof test up to 20KV. Testing 100% when needed. Since many test leads are safety critical parts, we aim for zero defects in all our test lead production. We comply with the relevant specifications. All parts are CE and RoHS compliant.

Contact our UK Sales Department for custom leads. sales@cliffuk.co.uk

www.cliffuk.co.uk

Our Registered Trademarks



CLIFF™

Test & Instrumentation from Cliff UK



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CLIFF

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 prods.
- Crocodile clips. Insulated and non-insulated.
- Standard assembled test leads.
- Custom 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

Rated

30VAC.
60VDC.
10A. MAX

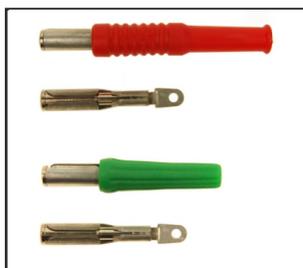


P18S

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

Rated

30VAC.
60VDC.
10A. MAX



P12, P13, P14, P15

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

Rated

30VAC.
60VDC.
10A. MAX



P14X

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

Rated

1000V.
10A.
CAT III

Drawings available on request. Contact sales@cliffuk.co.uk

CLIFF

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.



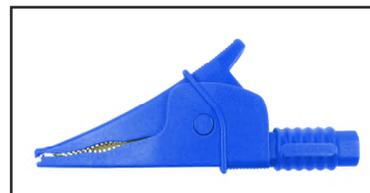
CRC/01

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.

For further information, contact sales@cliffuk.co.uk

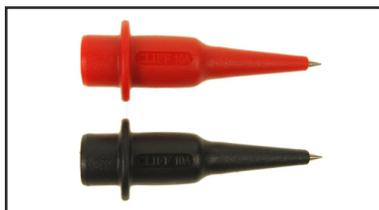
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Test Prods

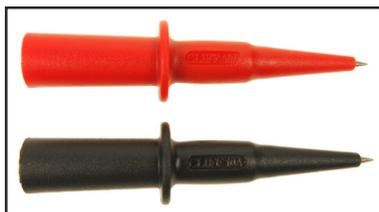


TPR/3S
4KV CAT II test probe with spring loaded retractable shroud.

TPR/3
As TPR/3S but without retractable shroud.
4KV CAT II



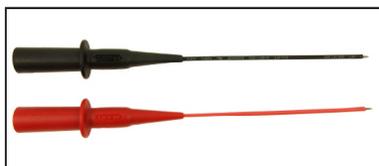
TPR/5
Short test probe rated 1KV CAT III for connection to standard 4mm plugs, e.g. P14XB or TPR/1B.



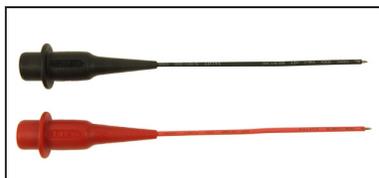
TPR/6
Extended test probe for uprating our TPR/1 test probes (without cap fitted) to 1KV CAT III.



TPR/7
1KV CAT III test probe for connection to our standard 4mm plugs, e.g. P14XB



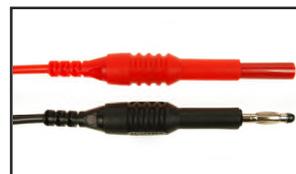
TPR/8
1KV CAT III extended test probe for connection to our standard test probe TPR1



TPR/9
1K CAT III extended test probe for connection to our standard 4mm plugs e.g. P14XB

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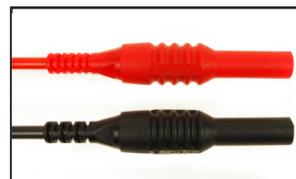
Ø2mm. and Ø4mm. Plugs for cable connection.



P14XAS
4mm. plug with retractable shroud and cable restraint collet.
Available in 5 colours. Nickel plated.

Rated

1000V.
CAT II



P14XB
4mm. fixed shroud plug with cable restraint collet. Available in 5 colours.
Nickel plated.

Rated

1000V.
CAT III



P149X
4mm. fixed shroud plug 90° with cable restraint collet. Available in 5 colours.
Tin / Nickel plated.

Rated

1000V.
CAT III

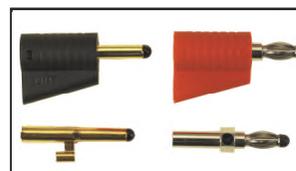


P16 - 4mm shrouded stackable plug with pressed metal contact. Gold plated.

P16N - 4mm. shrouded stackable plug with lantern style contact. Screw connection.
Nickel plated.

Rated

300V.
600V.
CAT II



P17 - 4mm unshrouded stackable plug with pressed metal contact. Gold plated.

P17N - 4mm. unshrouded stackable plug with lantern style contact. Screw connection.
Nickel plated.

Rated

30VAC.
60VDC.



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.

Rated

5KV.
10KV.
12KV.

CLIFF 2mm. & 4mm. 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

Rated

600V.
10A.
CAT III



S14
4mm. socket unshrouded. Mates with most unshrouded plugs. Available in 8 colours. Nickel plated.
Part No. Various. Please refer to drawing.

30VAC.
60VDC.
10A.



S16C
4mm. socket shrouded. Mates with shrouded or unshrouded plugs. Available in 7 colours. Gold plated.
Part No. Various. Please refer to drawing.

1000V.
30A.
CAT III

S16N

4mm shrouded socket. Mates with shrouded or unshrouded plugs. Available in 5 colours. Nickel, Tin or Gold plated. Rated 1000V CAT III. There are a number of terminal options for S16N:



24A.

FCR7350?

S16N-PC <Colour>
90° PC mounting.



24A.

FCR7351?

S16N/PC VERT <Colour> WNW
PCB Pin.



32A.

FCR7356?

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



24A.

FCR7357?

S16N <Colour> WNW
Solder tag.



24A.

FCR73575?

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



32A.

FCR7358G?

S16NS <Colour>/G WNW
M4 threaded stud.

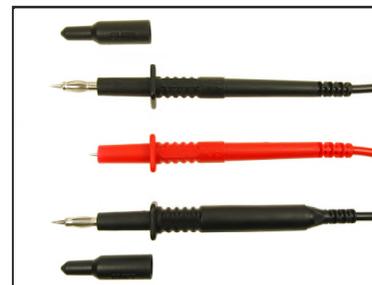
Colour suffix, add B -Black, G -Green, L -Blue, R -Red, Y -Yellow

Drawings available on request. Contact sales@cliffuk.co.uk

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Test Prods

Test prods 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.

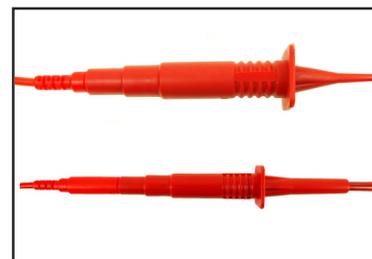
TPR/1C

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.

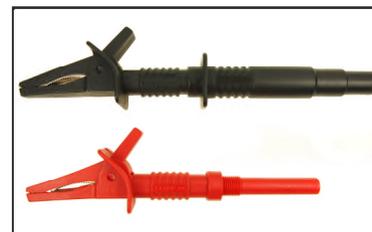


TPR/2

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.

For further information, contact sales@cliffuk.co.uk