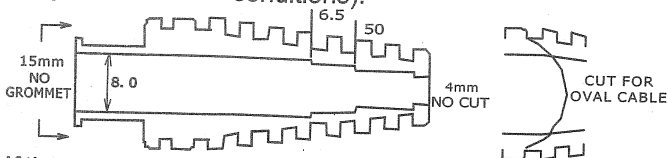


CLIFFCON 4PC/P90 PLUG

ASSEMBLY GUIDE - ORIGINAL & NEW TYPES

CliffCon is a professional touchproof connector. To achieve optimum results from its use, carefully assemble your cables to it. This is the recommended way.

1) Cut the grommet so the smallest end pushes onto the cable. The grommet is stepped. Cut in the grooves. Approximate diameter at each groove is as Fig 1. (Warm the grommet in cold conditions).



If the grommet fits tightly on the cable, the joint will be watertight. For oval shape or flat cables, cut the grommet with a 'U' shape cut to make an oval shaped hole.

2) To fit the cable. With the grommet on the cable, select the appropriate cable clamp.

Small clamp for cables to 8mm \varnothing with grommet. Cut shorter if necessary.

Large clamp for cables to 15mm \varnothing without grommet. *

Loosely assemble the Cable clamp onto the front end of the grommet. For NEW red / blue Cliffcon, orientate plug probe with square keyway to topside for mating with vertical fixed socket- the plug orientates vertical with cable downwards. Prepare the cable conductors. For small size flexible cables they can be all cut the same length and excess just tucked away. For heavier, less flexible cables, prepare appropriate different lengths. For soldering, strip the cable 5mm or for screw connection strip 6/8mm. Twist the conductors to compact them. Locate correct contacts- marked 1+1-

(2 wires) and 2+2- (4 wires). On red and blue versions, note that Pin 1-is designated for earth connection.

For soldering. Push conductors through holes in tags- solder quickly without heating the pins excessively

For screw connection. Undo the screw / washer assembly.

Push the wire between the tag and washer - Outside edge of hole is preferred. Tighten screw. Avoid excessive pressure when tightening. (Max. Torque 0.5Nm, 4.4Ft lb).

When using large sizes of cable- Divide the strands into 2 halves - twist each half and form into a U shape. Push the U shape over the connection screw and tighten down. When you only use 2 connections - i.e. 1+ and 1-, ensure the other 2 screws are tight to avoid them rattling in speaker applications.

3) To close the plug body. When all the wires are connected and located neatly in the body. Slide the cable clamp and grommet (if used) into their position. Tighten the 2 screws of the cable clamp to hold the cable securely. Locate the top half of the case, and secure with 2 black csk screws, and 1 machine screw. If the locking ring is to be used, simply snap it onto the front of the plug. It only goes on one way. Arrows point towards the case.

4) To Connect. Ensure locking ring is in fully anticlockwise position. Locate polarity key with groove in socket. Push plug fully in, turn locking ring clockwise to lock. Note: NEW red and blue Cliffcon will only mate with same colour sockets.

* A larger grommet FC6935SA12 is available for cables up to 15mmØ. to order.

CliffCon.® USA Patent 5413506 - UK Patent 2268640
Registered Design 2024486

Made by Cliff UK.