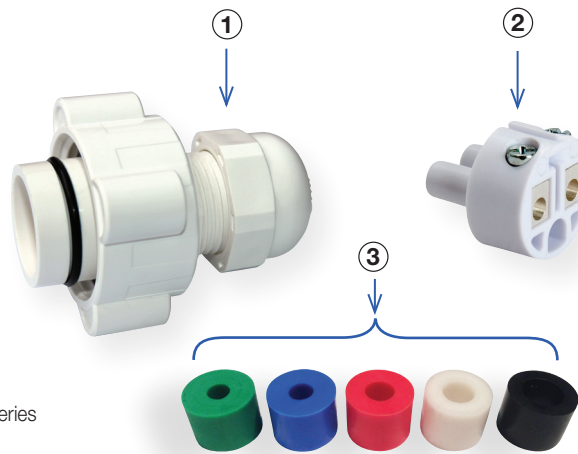


INCLUDED IN THIS KIT

- ① Pre-Assembled Quick-Connect Plug Assembly
- ② Female Screw Plug Terminal, with screws
- ③ Spare Seals:
 - Green
 - Blue
 - Red
 - Black
 - White
 (White seal is already fitted to the Evo Series Plug Assembly).



The tools you will need:

- Phillips Head Screwdriver (small #1)
- Pliers or Sidecutters
- Wire-Stripping tool
- Multi-Grips or Shifting Spanner

Some components may appear different to these images depending on the Evo Series replacement light being installed.

INSTALLATION INSTRUCTIONS

Cut the existing cable, preserving as much of the cable length as possible.

The Quick-Connect Plug Kit is supplied pre-assembled with a WHITE cable seal. Replace it (if required) with the correct cable seal after referring to Table 1 below.

TABLE 1

| Seal Colour | Seal Hole Diameter | Suits Cable Gauge | Suits Cable Outside Diameter | WIRE TERMINATION |
|-------------|--------------------|-----------------------------------------|------------------------------|------------------|
| GREEN | 4.8mm | 0.5mm ² | 4.5mm ~ 5.3mm | SEE A BELOW |
| BLUE | 5.5mm | 0.75mm ² | 5.5mm ~ 6mm | |
| RED | 6.5mm | 1.0mm ² | 6.3mm ~ 7mm | |
| WHITE | 7.2mm | 1.5mm ² | 7.1mm ~ 7.8mm | SEE B BELOW |
| BLACK | 9.1mm | 2.5mm ² ~ 4.0mm ² | 8.5mm ~ 9.4mm | |

Depending on the thickness of the existing cable, choose a cable seal from Table 1.

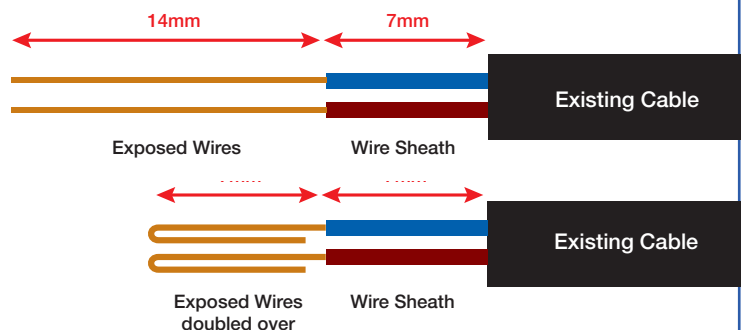
As a guide, use the seal that fits firmly over the cable.

Please Note: In some cases the cable sheath on the existing light may have swollen over time to a diameter greater than 9.5mm, in which case the standard Quick-Connect Plug Kit cannot be used. To test whether the cable diameter is too thick, insert the cable through the centre hole of the #120 Connector Housing. If it fits through continue with the installation using the appropriate seal. If it does not fit, a modified Quick-Connect Plug Kit will be required – Part Number ASN119.

Wire Termination:

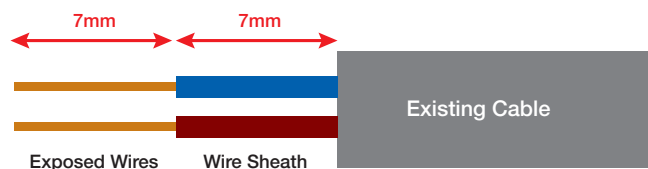
Method A: When using Green, Blue or Red Cable Seal (thinner cable)

- Remove 21mm of outer cable sheath.
- Expose 14mm of copper wire, leaving 7mm of insulated wire sheath remaining.
- Bend copper wire back on itself, doubling up so it is 7mm long.



Method B: When using White or Black Cable Seal (thicker cable)

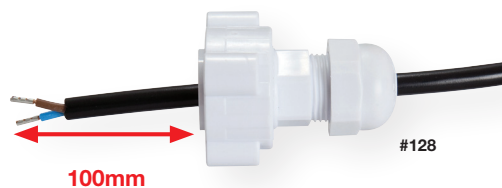
- Remove 14mm of outer cable sheath.
- Expose 7mm of copper wire leaving 7mm of insulated wire sheath remaining.



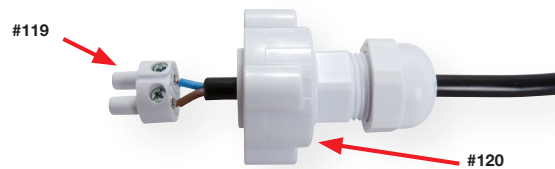
EVO SERIES PLUG KIT INSTRUCTION MANUAL

CONNECTING PLUG KIT ASSEMBLY TO EXISTING CABLE

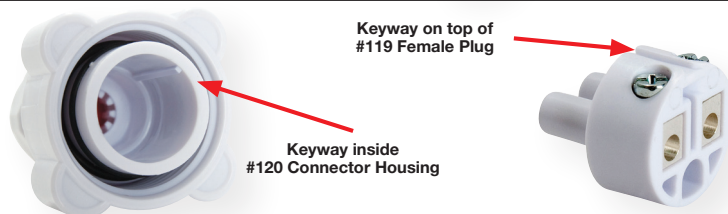
1. After fitting the correct cable seal to the plug kit and terminating the wires, slide cable into rear of preassembled Quick-Connect Plug Assembly so that the cable end sits approx 100mm from end of plug. You may have to loosen #128 Nut to enable cable to slide through.



2. Insert copper wires into terminals on #119 Female Plug and tighten screws all the way down (If not tightened correctly the plug will be difficult to fit into the #120 Connector Housing).



3. Slide #119 Female Plug into #120 Connector Housing, be sure to align the keyway on #119 Female Plug with keyway on the inside of the #120 Connector Housing.



4. Push #119 Female Plug all the way into #120 Connector Housing. Please ensure it pushes all the way into the "tongue and groove" keyway, so that the end of #119 Female Plug finishes flush with end of #120 Connector Housing.



5. Tighten #128 Cable Nut on the cable. This must be done tight enough to ensure the Quick-Connect Plug will not leak. You will need to hold the hexagonal area on the #120 Connector Housing with multi-grips or shifting spanner in order to tighten the #128 Cable Nut tightly.



Ensure that the #125 Washer remains "clipped in" the #128 Cable Nut when tightening. This will ensure the #126 Seal is compressed effectively.

6. Put a small amount of silicone-based lubricant onto the 2 x #150 o-rings and insert the Quick-Connect Plug Kit into rear of light. When inserting Quick-Connect Plug be sure to align the #119 Female Plug with the two male pins on the back of light. Hand tighten the #121 Connector Nut.

TECHNICAL SPECIFICATIONS EVO SERIES POOL LIGHTS

| Aqua-Quip Evo2, EvoFG – Niche Light | | | | | |
|-------------------------------------|--------------------------------------------|--------|--------|------------|--------|
| Operating Voltage: | 12v AC | | | | |
| Rating: | IPX8 | | | | |
| Voltage Tolerance: | +20%, -20% | | | | |
| Fault Protection: | Thermal cutout. Voltage transient clamping | | | | |
| | Multi-Colour | Blue | White | Warm White | Green |
| Power Consumption: | 16 VA Max | 8 VA | 8 VA | 8 VA | 8 VA |
| Light Colour: | Various | 475 nm | >5000K | 3000K | 525 nm |
| Light Output (typical): | Various | 180 lm | 550 lm | 550 lm | 500 lm |

| Aqua-Quip EvoMAX – Niche Light | | | | | |
|--------------------------------|--------------------------------------------|--------|--------|------------|--------|
| Operating Voltage: | 12v AC | | | | |
| Rating: | IPX8 | | | | |
| Voltage Tolerance: | +20%, -20% | | | | |
| Fault Protection: | Thermal cutout. Voltage transient clamping | | | | |
| | Multi-Colour | Blue | White | Warm White | Green |
| Power Consumption: | 30 VA Max | 25 VA | 25 VA | 25 VA | 25 VA |
| Light Colour: | Various | 475 nm | >5000K | 3000K | 525 nm |
| Light Output (typical): | Various | 300 lm | 985 lm | 985 lm | 595 lm |

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