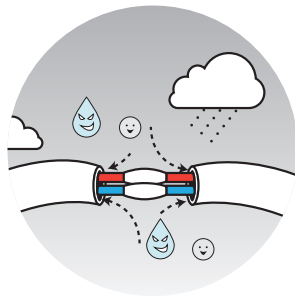
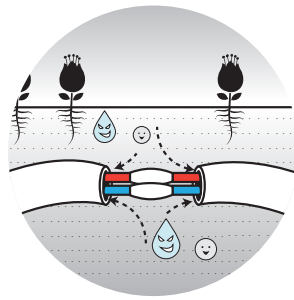


How to terminate in-ground luminaires correctly?

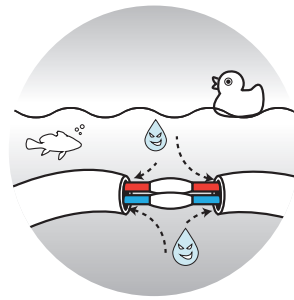
Water ingress through the supply cable is one of the common locations of water ingress to in-ground lighting products. The following guidelines outline typical environments and important termination recommendations for **IP65 /IP66/ IP67 / IP68** in-ground products to prevent the occurrence of water ingress.



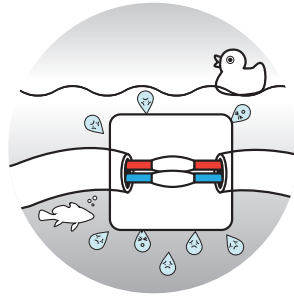
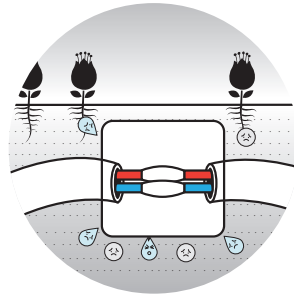
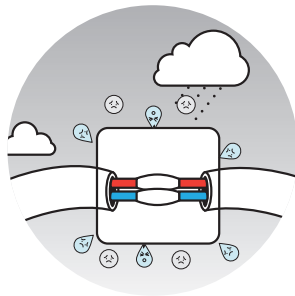
Exposed open Air



Underground



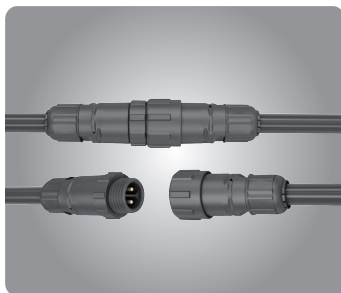
Underwater



Why use a water-proof connector?

When the luminaire is turned ON, the inside temperature will RISE. Conversely when the luminaire is turned OFF, the temperature within the luminaire will DECREASE slowly, this cycle will cause "a Siphon effect". Thermal expansion and contraction results in the inside and outside air pressures being different, hence the vapour will then infiltrate the housing through the cable entry as soon as the internal air pressure is LOWER than the external environment.

The recommended methods to prevent water ingress are achieved by using a water-proof connector, which maintains the products **designed IP rating**.



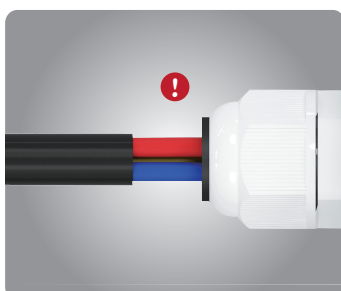
correct, one pair for input and output (quick plug mode)



correct, one for input, two for output (quick plug mode)



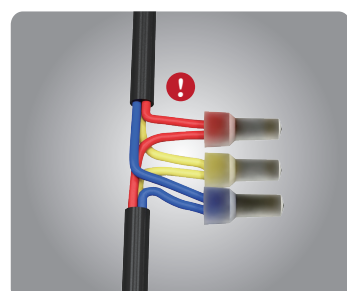
correct, port 1 for fixture, Port 2 3 for output or input (wire connected inside)



incorrect, single insulation exposed



incorrect, using water-proof tape



incorrect, terminations exposed