



Neptune® Quick-Lock Connector™

The Neptune® Quick-Lock Connector™ is designed for connections between a register and endpoint. The Quick-Lock Connector uses an audio jack-style design on the endpoint with a single male pin that inserts into a female cavity on the corresponding register. The design eliminates any wire rotational concerns and enables an IP68 environmentally robust quick locking connection.



Connector male end



Connector female end

Removing Connector End Protections

1. Remove the connector end protections. Holding the endpoint side of the connector, grab the connector plug and rotate slightly counter-clockwise then pull the plug from the connector. The male end of the connector should now be visible (radio jack-style).



Endpoint side connector with protection plug



2. Holding the register side of the connector, rotate the connector end cap clockwise and pull from the connector. The female end of the connector should now be visible (audio jack-style).



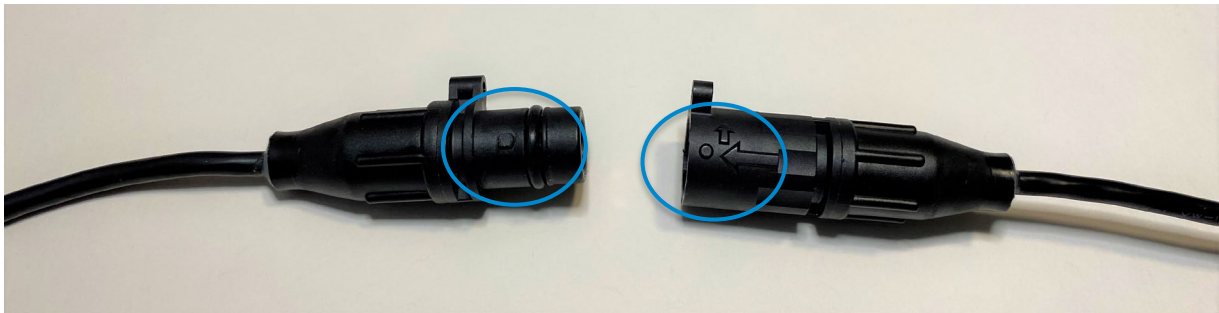
Register side connector with protective end cap

3. Discard the connector protection if no longer required.

Note: If the register is going to be installed in a pit environment for any period of time without being connected to an endpoint, it is strongly recommended to keep the end cap on the connector.

Joining the Connector

1. **IMPORTANT:** Before joining the connector ends, make sure all surfaces are clean, dry and clear of any dirt or debris. This is required to assure a good electrical and watertight connection.



Register connector (female)

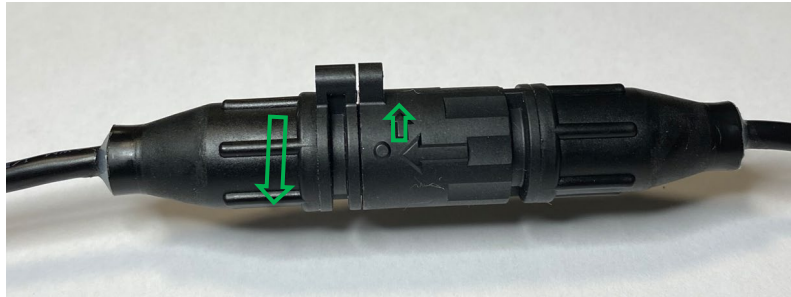
Endpoint connector (male)

2. To connect the two ends of the connector, align the dots on the side of the connector ends.
 - a. Insert the endpoint side of the connector (male side) into the register side (female end) until it is fully seated.

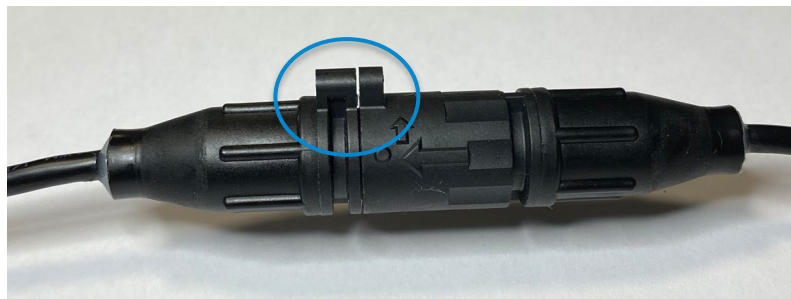




- b. Once fully seated, simply turn the endpoint end in the direction of the arrows (highlighted in green below) clockwise until it stops turning and feels like it “clicks” into place. At this time, the connector security loops are also aligned.



- c. Give the connection a light tug to confirm the connection is secure.
3. The Neptune Quick-Lock connector is provided as standard with loops for a security seal.
 - a. Follow the installation instructions provided with the security wire for proper installation on the Neptune Quick-Lock Connector (if applicable).



Security loops

Disconnecting the Connector

To disconnect the connector, hold each end of the connector and rotate the register end counter-clockwise until the rotation stops. Firmly pull each end of the connector to separate the two ends.