



# HYDRO CONNECT

## IDEAL® WEATHERPROOF CABLE CONNECTORS

### Irrigation Valve Cable Connectors

#### HC-WC61, 62, 63

HOUSING: **Thermoplastic Polyester**

INSERT: **Steel**

PLATING: **Zinc**

TEMPERATURE: **105°C**

SEALANT: **100% Silicone**

100% silicone-based sealant protects against moisture and corrosion. Designed as a single-use only connection. Easy to apply, pre-filled twist-on wire connectors. Eliminates the need for heat-shrink or excessive taping.

#### SCOPE:

Silicone-filled cable connectors specifically designed for use in professionally installed irrigation control and landscape lighting systems. These connectors provide a secure electrical connection for pre-stripped copper wires and seal the connection for use in damp/wet locations. Connected and protected in one easy, time-saving process.

#### FEATURES:

##### Sealing Protection

Pre-filled with 100% silicone sealant. Protects against the harsh, damaging effects of moisture and corrosion. Provides a high-reliability electrical connection. IP68 Rated (Resistant to submersion up to a maximum depth of 1.8m (6ft) underwater for up to thirty minutes)

##### Agency Approvals

Each of these products are UL Listed and CSA certified. These products are designed to exceed the rigorous test standards of UL486D as a Sealed Wire Connector System. Complies to AS/NZS IEC 60998.1 and AS/NZS IEC 60998.2.4 Standards.

##### Product Line

Intended for use in damp/wet locations or above ground.

##### Electrical Connection

The expanding square-wire spring provides fast secure connections. Easy installation saves time, improves productivity, and reduces installed labour costs. Rated 600 volts max.

##### Shell design

Swept-wing design provides improved leverage and increased torque, making it easy on the fingers when installing many connections over a short period of time.

##### Hex-Top

This integrated feature allows the use of a hand applied nut-driver or cordless-drill driver to install connectors quickly and efficiently.

##### Impact Resistant

A tough thermoplastic shell provides exceptional durability and protects the connection from impact as well as the damaging effects of harmful UV rays

##### Wide Cable Range

Complete line covers a wide range of popular combinations and wire sizes from 0.5 to 16 mm<sup>2</sup>. Three weatherproof models help reduce inventory and SKUs.

**Manufactured in the U.S.A.** by IDEAL INDUSTRIES

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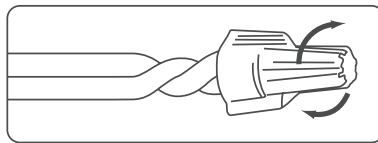
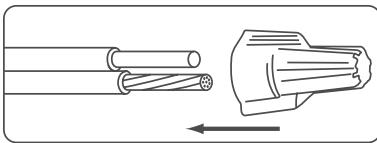
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#### INSTALLATION:

NOTE: FOR USE ON COPPER WIRE ONLY. DO NOT USE ON ALUMINUM WIRE. ONE TIME USE ONLY. DO NOT REUSE CONNECTOR.

#### Installation instructions:

1. Turn off power before removing or installing connectors.
2. Strip wires: Model 61® = 0.5-1.0mm<sup>2</sup> = 11mm; all other 10mm  
Model 62® = 16mm  
Model 63® = 16mm
3. Straighten wires and align frayed strands.
4. Hold wires together with ends even. Lead stranded wires slightly ahead of solid wires.
5. Pre-twisting is required for 0.5-1.5mm<sup>2</sup> cable sizes. For pre-twisting; strip wires long, hold wires together with insulation even, twist wire ends together, trim to recommended strip length.
6. Insert wire bundle through centre of pie-wedge shaped cap and twist clockwise until tight.



Code	HC-WC61	HC-WC62	HC-WC63
<b>Dimensions</b>			
<b>Size</b>	Small	Medium	Large
<b>Colour</b>	Grey/Orange	Grey/Red	Grey/Dark Blue
<b>Cable Range</b>	0.5-2.5mm <sup>2</sup> Min 2 x 0.5mm <sup>2</sup> Max 2 x 2.5mm <sup>2</sup>	1.0-6.0mm <sup>2</sup> Min 3 x 1.0mm <sup>2</sup> Max 2 x 6.0mm <sup>2</sup>	2.5-10.0mm <sup>2</sup> Min 3 x 2.5mm <sup>2</sup> Max 2 x 10.0mm <sup>2</sup>
	2 to 4 x 0.5mm <sup>2</sup> 2 to 4 x 1.0mm <sup>2</sup> 2 x 1.5mm <sup>2</sup> 2 x 2.5mm <sup>2</sup>	3 to 6 x 1.0mm <sup>2</sup> 2 to 6 x 1.5mm <sup>2</sup> 2 to 4 x 2.5mm <sup>2</sup> 2 to 3 x 4.0mm <sup>2</sup> 2 x 6.0mm <sup>2</sup>	3 x 2.5mm <sup>2</sup> 2 to 5 x 4.0mm <sup>2</sup> 2 to 4 x 6.0mm <sup>2</sup> 2 x 10.0mm <sup>2</sup>
<b>Pack Size</b>	Card of 25 Jar of 150	Card of 20 Jar of 100	Card of 15 Jar of 50