

## Rain Bird® WC20 Wire Connector

### Connections Made Easy

#### Install Faster

When your installation crew is making countless wire connections on a jobsite, why slow them down with unnecessary work steps?

Using Rain Bird's WC20 Wire Connector, they get the job done faster. Rain Bird's wire connectors are quick to install and provide reliable moisture sealing for controller and valve electrical connections you can count on.

#### Simplify Inventory

This is the only wire connector you'll need!

**It is ideal for use on two wire decoder control systems.**

- Use for standard controllers, valve boxes and soil moisture sensors.
- Wire combinations ranging from 22ga to 8ga (0.33 to 8.37 mm<sup>2</sup>).
- Use on connections from 24 VAC to 600 VAC.
- UL 486D certified for direct burial.

#### Avoid Call Backs

Locating and repairing a corroded wire splice costs your business time and money. Avoid unnecessary service call backs. Use the Rain Bird DB Series Wire Connector for reliable connections.

- The Strain Relief ensures wires are secure and won't pull apart.
- Waterproof silicone sealant protects against corrosion.
- UV- material ensures product performance does not degrade even after long periods of exposure to sunlight.

#### UV Protection Matters

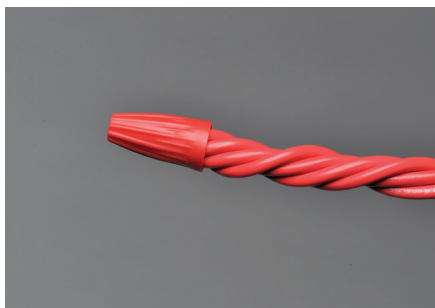
Exposure to the sun's UV rays can damage unprotected plastic while in the cargo bed of your crew pickup truck. Although many brands offer UL certified products, Rain Bird is the only brand to also offer UV protection. The results of UV testing show the difference. Exposed to an equivalent period and intensity of UV, the competitive direct bury connector cracked. Demand UV protection in your wire connector!

#### Specifications

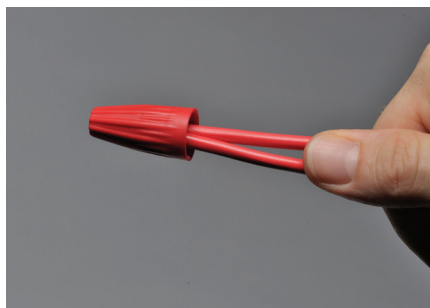
- Maximum Voltage Rating: 600V
- Temperature Rating: 221° F (105° C)
- Silicon Sealant Temperature: -45°F to 400°F (-43°C to 204°C)

#### Dimensions

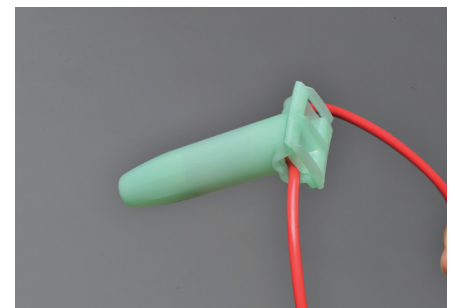
- Height: 3<sup>11</sup>/<sub>16</sub>" (9.37 cm)
- Width: 1<sup>1</sup>/<sub>2</sub>" (3.81 cm)
- Depth: 1<sup>3</sup>/<sub>16</sub>" (3.02 cm)



5 x 14 AWG (2.08 mm<sup>2</sup>)



2 x 14 AWG (2.08 mm<sup>2</sup>)

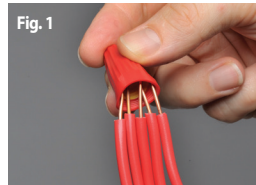


Sealed Connector

## WC20 INSTALLATION INSTRUCTIONS

**IMPORTANT:** Turn off power before installing or removing connector. Product to be used in accordance with local and national codes.

1. Strip wires 5/8" (15.9 mm).
2. Pre-twisting unnecessary. Hold stripped wires together with ends even. Lead stranded wires slightly. Align any frayed strands or conductors. **(Fig. 1)**
3. Firmly push wires into twist-on connector and screw connector clockwise onto wire until tight. **(Fig. 2)**
4. Insert the splice to the bottom of the sealant filled tube. **(Fig. 3)**
5. Position wires into wire channels and wipe any sealant around opening and conductors.
6. Close lid ensuring latch is secured. **(Fig. 4)**



### Wire Combinations (for solid and stranded wire)

WC20
2-3 #10 (5.26 mm <sup>2</sup> )
2-5 #12 (3.31 mm <sup>2</sup> )
2-5 #14 (2.08 mm <sup>2</sup> )
4-6 #16 (1.31 mm <sup>2</sup> )
3 #14 (2.08 mm <sup>2</sup> ) w/2 #18 (0.82 mm <sup>2</sup> )
2#18 (0.82 mm <sup>2</sup> )
1 #8 (8.37 mm <sup>2</sup> ) w/2 #18 (0.82 mm <sup>2</sup> )
3 #10 (5.26 mm <sup>2</sup> ) w/1 #18 (0.82 mm <sup>2</sup> )
3 #12 (3.31 mm <sup>2</sup> ) w/3 #18 (0.82 mm <sup>2</sup> )

*The combinations listed are only a sample of the most common wire combinations.*

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