



# HYDRO CONNECT

## 3M DBR/Y-6 DIRECT BURIAL CABLE CONNECTORS

### Irrigation Valve and Decoder Cable Connectors

#### HC-WCDBRY6 Direct Burial

HOUSING: **Polypropylene**

INSERT: **Steel Spring, Flame Retardant Insulator**

TEMPERATURE: **105°C**

SEALANT: **Silicone**

UL Listed for 600 V and 486G for use in damp/wet location or direct-burial applications

Waterproof, corrosion-proof, UV-rated, and impact resistant

Snap-fit lid provides strain relief and three-wire exits

Pre-filled with silicone that never hardens

Two part system includes Gorilla Nuts™ Red/Yellow Cushion Grip Wire Connector and silicone-filled tube.

Compatible with Hunter Industries ACC, ACC2 and Pilot Decoder connections (supplied with decoders). Compatible with EZ Decoder connections, but not a requirement

#### SCOPE:

3M DBR/Y-6 Direct Bury Cable Connectors are used to connect two or more pre-stripped copper wires and moisture seal the connection for direct burial. It includes the 3M Performance Plus Cable Connector R/Y and a high impact, UV-resistant polypropylene tube prefilled with moisture-resistant gel. They are suitable for splicing wires and cables in irrigation and Low Voltage Lighting systems. For residential, commercial, golf applications.

#### FEATURES:

##### **Reduces inventory and SKUs**

Replaces the following 3M connectors: DBY, DBR, DBY-6, DBR-6, DBR/Y, DBY-Kit, DBRKit, DBY-6-Kit, DBR-6-Kit, DBR/Y-Kit.

##### **Agency Approvals**

Listed under UL486D for USA and Canada, File E102356. Meets Directive 2006/95/EC and IEC standards EN61984:2009, EN60998- 1:2004, and EN60998-2-4:2005. and meets European Standard EN 61984

##### **Electrical Connection**

fast and reliable mechanical connection over a wide temperature range. The R/Y+ connector locks in place when inserted into the gel-filled tube. It accepts a multitude of direct burial copper wire combinations, as listed in the Table below. Rated for 600 volts for most connections required in irrigation (conventional and decoder types) and landscape lighting systems.

##### **Water Proof and Sunlight Resistant**

The DBR/Y-6 may be installed above or below ground, inside a "valve box" or buried next to a valve-in-head sprinkler or light fixture, or submerged in water.

Applicable ratings under this standard: IP68, Pollution Degree 3.

Not to be used in continuous submersion applications.

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#### Strain Relief :

The gel-filled tube includes a lid that compresses the wire insulation when closed. This applies a pressure, known as "strain relief" that keeps the connection inside the tube when the wires are pulled-upon. The connector tube includes channels for three sets of wires.

**Manufactured in the U.S.A** by the 3M Company

#### INSTALLATION:

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


#### Installation instructions:

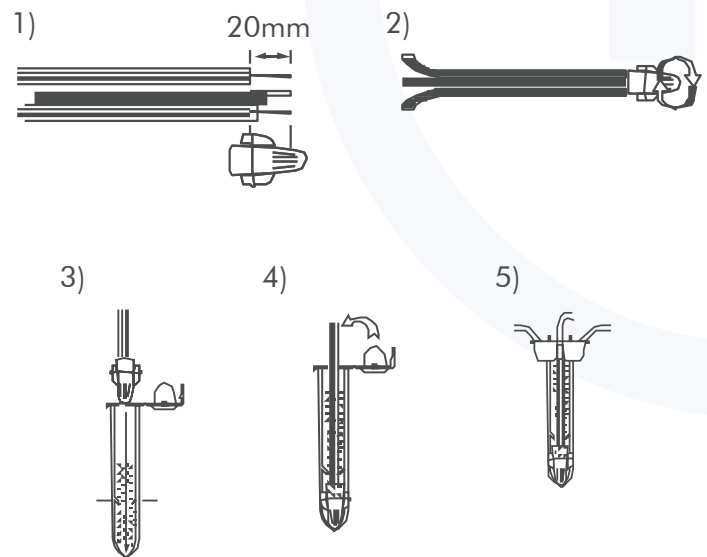
*Turn off power before removing or installing connectors. Recommended Installation Tools: Large slip joint pliers or 3M Crimping Tool E-9BM.*

1. Strip wires: 20mm
2. With wire ends even, insert wires into the connector and tighten until secure.
3. Insert the connector all the way into the tube until the connector rests on the bottom.
4. Fold the wire into the channels.
5. Close the cap.

#### Installation Tip:

If having difficulty getting the twist-on connector down into the tube when using small gauge wires, use a thin non-conductive object to push the connector to the bottom of the tube. Upon removal of the object, ensure that no voids or water paths remain in the grease.

Code	HC-WCDBRY6
	
Dimensions	Height: 95mm
Size	Medium
Cable Range Solid and stranded cable combinations unless stated otherwise	0.5-6.0mm <sup>2</sup> Min 2 x 1.0mm <sup>2</sup> Max 2 x 6.0mm <sup>2</sup>
	5 to 8 x 0.5mm <sup>2</sup> 2 to 8 x 1.0mm <sup>2</sup> 2 to 7 x 1.5mm <sup>2</sup> 2 to 5 x 2.5mm <sup>2</sup> 2 to 4 x 4.0mm <sup>2</sup> 2 x 6.0mm <sup>2</sup>
Pack Size	Box of 100



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