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3.0

FEATURES:

3.1

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3.6

P7364D - Rev 1

3M[™] Direct Bury Splice Kit DBR/Y-6

1.0 SCOPE:

1.1

The 3M[™] Direct Bury Splice Kit DBR/Y-6 is used to electrically connect two or more pre-stripped copper wires and moisture seal the connection for direct burial. It includes the 3M R/Y+ Electrical Spring Connector and a high impact, UV-resistant polypropylene tube prefilled with moisture-resistant gel. It is ideal for splicing wires and cables in irrigation and Low Voltage Lighting systems. For residential, commercial, golf, and other green industry applications.

2.0 PACKAGING DETAILS:

Paige Part Number		270670	270671	
3M Part Number		DBR/Y-6 Bulk	DBR/Y-6 Kit	
Description		Bulk pack of 100 each gel-filled tubes and twist-on connectors.	25 Kits in a plastic bag. 2 gel-filled tubes and 2 twist-on connectors per bag.	
Case Data	Weight	5.1 lbs 2,3 Kg	3.5 lbs 1,6 Kg	
	Dimensions	14.25 x 7.625 x 7.5 inches 36 x 19 x 19 cm	13 x 7.6 x 6 inches 33 x 19 x 15 cm	
Pallet Data	Quantities	75 cases 7,500 tubes	133 cases 6,650 tubes (3,325 kits-of-2)	
	Weights	402 lbs 183 Kg	485 lbs 221 Kg	
	Dimensions	48 x 42 x 43 inches 122 x 107 x 109 cm	48 x 42 x 47.5 inches 122 x 107 x 121 cm	
	Volume	50.2 ft ³ 1,42 m ³	55.4 ft ³ 1,57 m ³	

3.7

Reduces inventory and SKUs: Replaces the following 3M connectors: DBY, DBR, DBY-6, DBR-6, DBR/Y, DBY-Kit, DBR-Kit, DBY-6-Kit, DBR-6-Kit, DBR/Y-Kit. Reduces the SKUs from 10 to 2 (DBR/Y-6 and DBR/Y-6 Kit.)

c(県L)us (€ RoHS

3.2 Rated for 600 volts:

One connector for most connections required in irrigation (conventional and decoder types) and landscape lighting systems. Listed under UL486D for USA and Canada, File 102356. Meets Directive 2006/95/EC and IEC standards EN61984:2009, EN60998-1:2004, and EN60998-2-4:2005.

Bulk or Kits-of-two connectors: Each waterproof connector includes the R/Y+ twist-on connector (wire nut*), and a gel-filled tube

Water Resistant & Rain Tight:

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.

Sunlight resistant:

Connector can be used above or below ground level.

Strain relief:

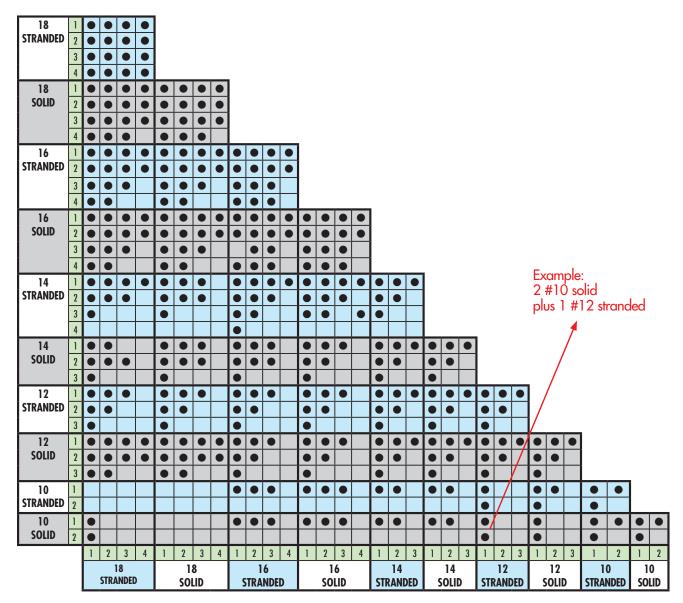
The gel-filled tube includes a lid that compresses the wire insulation when closed. This applies a pressure, known as "strain relief" that keeps the connection inside the tube when the wires are pulled-upon. The connector tube includes channels for three sets of wires.

- **Operating temperature:** -40°F to 221°F (-40°C to 105°C)
- Made in the USA by the 3M Company:

Unquestioned quality by a name you can trust!

3.9 The R/Y+ connector has an aggressive quick-bite:

It makes a 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.



Metric Wire Combination						
Cross section capacity	2,0 mm ² tł	2,0 mm ² through 16,0 mm ²				
Conductor combinations	Quantity	Size	Туре			
	5 - 7	0,5 mm ²	sol/str.			
	3 - 7	0,75 mm ²	sol/str.			
	2 - 8	1,0 mm ²	sol/str.			
	2 - 7	1,5 mm ²	sol/str.			
	2 - 5	2,5 mm ²	sol/str.			
	2 - 4	4,0 mm ²	sol/str.			
	2	6,0 mm ²	sol/str.			
* Only AWG wire size combinations are UL LISTED or CSA Certified.						

