



3M™ Direct Bury Splice Kit DBO/B-6 and DBR/Y-6

1.0 SCOPE: 1.1

The 3M™ Direct Bury Splice Kits are used to electrically connect two or more pre-stripped copper wires and moisture seal the connection for direct burial. It includes the 3M "Performance Plus" Electrical Spring Connector and a high impact, UV-resistant polypropylene tube prefilled with moisture-resistant gel. They are ideal for splicing wires and cables in irrigation and Low Voltage Lighting systems. For residential, commercial, golf, and other green industry applications.

3.0 FEATURES:

- 3.1 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.
- 3.2 Rated for 600 volts:**
Two connectors for most connections required in irrigation (conventional and decoder types) and landscape lighting systems. 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.
- 3.3 Bulk or Kits-of-two connectors:**
Each waterproof connector includes the "Performance Plus" twist-on connector (wire nut*), and a gel-filled tube
- 3.4 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. Not to be used in continuous submersion applications.
- 3.5 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.
- 3.6 Operating temperature:**
-40°F to 221°F (-40°C to 105°C)
- 3.7 Made in the USA by the 3M Company:**
Unquestioned quality by a name you can trust!

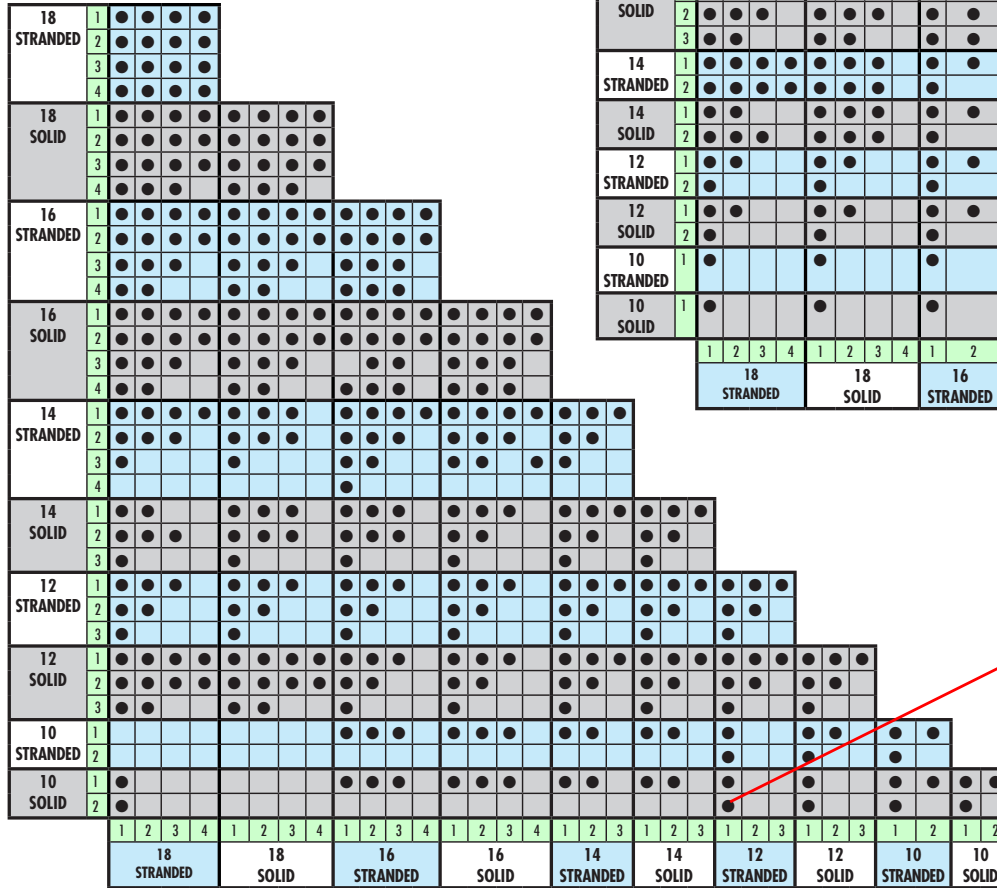
2.0 PACKAGING DETAILS:

Paige Part Number		270672	270673	270674	270675
3M Part Number		DBR/Y-6 Bulk	DBR/Y-6 Kit	DBO/B-6 Bulk	DBO/B-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.	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, lb (Kg)	5.1 (2,3)	3.5 (1,6)	5.0 (2,3)	3.5 (1,6)
	Dimensions, in (cm)	14.25 x 7.625 x 7.5 (36 x 19 x 19)	13x7.6x6 (33x19x15)	13x7.6x6 (33x19x15)	13x7.6x6 (33x19x15)
Pallet Data	Quantities	75 cases, 7,500 tubes	133 cases, 6,650 tubes (3,325 kits-of-2)	133 cases, 13,300	133 cases, 6,650 tubes (3,325 kits-of-2)
	Weights, lb (Kg)	402 (183)	485 (221)	665 (302)	466 (212)
	Dimensions, in (cm)	48 x 42 x 43 (122 x 107 x 109)	48 x 42 x 47.5 (122 x 107 x 121)	42 x 42 x 48 (107 x 107 x 122)	42 x 42 x 48 (107 x 107 x 122)
	Volume, ft ³ (m ³)	50.2 (1,42)	55.4 (1,57)	50.2 (1,42)	50.2 (1,42)

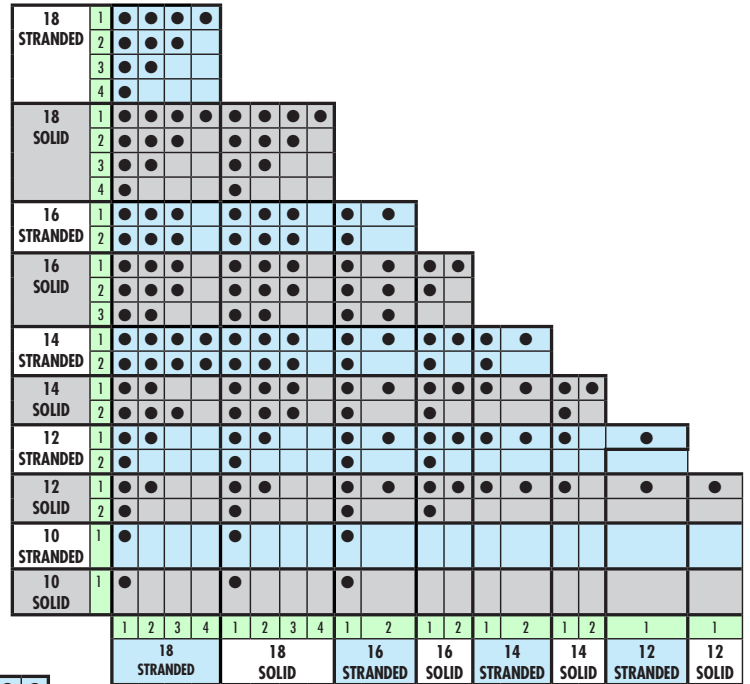
3.8 The "Performance Plus" connectors have an aggressive quick-bite:

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.

DBR/Y-6:



DBO/B-6:



Example:
2 #10 solid
plus 1 #12 stranded

Metric Wire Combination		
Size (mm ²)	Quantity	
	DBR/Y-6	DBO/B-6
0,5	5-8	4-6
0,75	3-7	3-6
1,0	2-8	2-6
1,5	2-7	2-4
2,5	2-5	2-3
4,0	2-4	-
6,0	2	-

* Only AWG wire combinations are UL listed or CSA certified.

