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# DBY-6 Direct Bury Splice Kit 600 Volts





## **Application**

Use part DBY–6, which includes a Scotchlok<sup>™</sup> Y electrical spring connector, to electrically connect two or more pre–stripped copper wire ends in a pigtail application and moisture seal the connection for direct burial.

#### Wire

Common AWG wire combinations (copper wire only, solid or stranded).

2 - 3 #16 2 - 3 #14 2 #12 2 #12 1 #18 to 1 - 2 #12 1 #16 to 1 - 2 #12

1 314 to 1 #12

See page two for complete table of UL Listed combinations.

#### **Regulatory Agencies:**

UL Listed as a Wire Connector System For Use With Underground Conductors. UL File No. E102356 Tested per UL Standard 486D

CSA Certified as a Underground Cable Splicing Kit CSA File No. LR91920 Tested per CSA Standard C22.2 No.198.2.

## **Engineering Specification:**

The device, 3M Brand DBY-6 Direct Bury Splice Kit, shall splice and effectively moisture seal two or more conductors. The electrical connector shall be a Scotchlok™ Y. The device shall be installed per manufacture's instructions and all applicable codes. The device shall be UL Listed as a Wire Connector System For Use With Underground Conductors.

#### **Construction:**

Connector: Steel spring, metal shell,

flame retardant pvc insulator

Tube: Polypropylene

Gel: Silicone electrical insulating gel

#### **Application Data:**

Application Temperature:  $32^{\circ}F$  to  $120^{\circ}F$  ( $0^{\circ}C$  to  $49^{\circ}C$ )

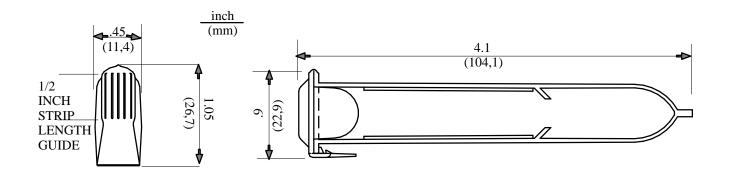
Operating Temperature:  $221^{\circ}F$  to  $-40^{\circ}F$  ( $105^{\circ}C$  to  $-40^{\circ}C$ )

Voltage Rating: 600 Volts

Weight of one kit (2 splices): .0612 lbs (27,92 gm)

Storage: Do not store above 120°F (49°C)

NOT FOR USE IN DIRECT ULTRAVIOLET EXPOSURE

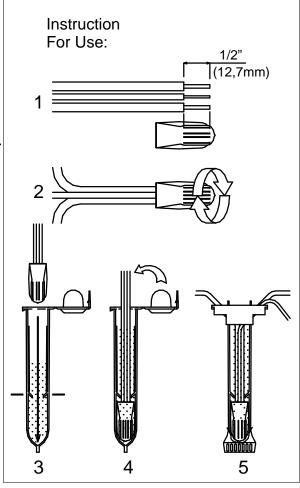


# **DBY-6**





		•										
18 1 STR 3	• • • •	WIRE COMBINATIONS AWG CU TO CU ONLY										
18 1 SOL 3	••••	HOW TO READ THIS CHART										
SOL 3	•	EXAMPLE 1										
16 1 STR 2	• • •	•••	•••		EXAI	MPLE				0		
16 1 SOL 2/3			• •	• •	2 No. 16 str EXAMPLE 2: 1 No. 10 sol to 1 No. 16 str							
14 1 STR <sup>2</sup>	• • • •	• • •	•	•	•							
14 1 SOL 2	• • •	• • •	•	•	• •	•		EXA	MPL	E 2		
12 <sub>1</sub> STR <sup>2</sup>	• •	••	••	••	••	•	•		. 1			
12 <sub>1</sub> SOL 2	• •	• •	••	••	• •	•	•	•				
10 <sub>1</sub> STR <sup>2</sup>	•	•	•									
10 <sub>1</sub> SOL 2	•	•	• •									
	1 2 3 4	1 2 3 4	1 2	1 2	1 2	1 2	1 2	1 2				
	18 STR	18 SOL	16 STR	16 SOL	14 STR	14 SOL	12 STR	12 SOL				



All wire combinations are 600 volt UL Listed when using insulation thickness such as TW and THHN.

# METRIC WIRE COMBINATIONS

# **Cross Section Capacity**

Minimum Maximum  $2,mm^2$ 7,5mm<sup>2</sup>

Copper conductors only Not UL Listed or

**CSA** Certified

## **Conductor Combinations**

Quantity	Size	_ Type
3-6 $2-6$ $2-4$ $2-3$	0,75mm <sup>2</sup> 1,0 mm <sup>2</sup> 1,5 mm <sup>2</sup> 2,5 mm <sup>2</sup>	sol / str sol / str sol / str sol / str

#### IMPORTANT NOTICE TO PURCHASER:

All statements, technical information and recommendations related to the Seller's products are based on information believed to be reliable, but the accuracy or completeness thereof is is not guaranteed. Before utilizing the product, the user should determine the suitability of the product for its liability whatsoever in connection with such

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