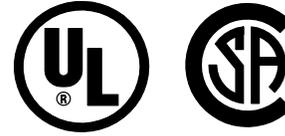


## DBR-6 Direct Bury Splice Kit 600 Volts



### Application

Use part DBR-6, which includes a Scotchlok™ R 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 #10	1 #10 to 1 #12
2 - 4 #12	1 #12 to 1 - 3 #14
3 - 4 #14	1 #12 to 2 - 3 #16
4 - 6 #16	1 #14 to 2 - 3 #16

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 DBR-6 Direct Bury Splice Kit, shall splice and effectively moisture seal two or more conductors. The electrical connector shall be a Scotchlok™ R. 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.

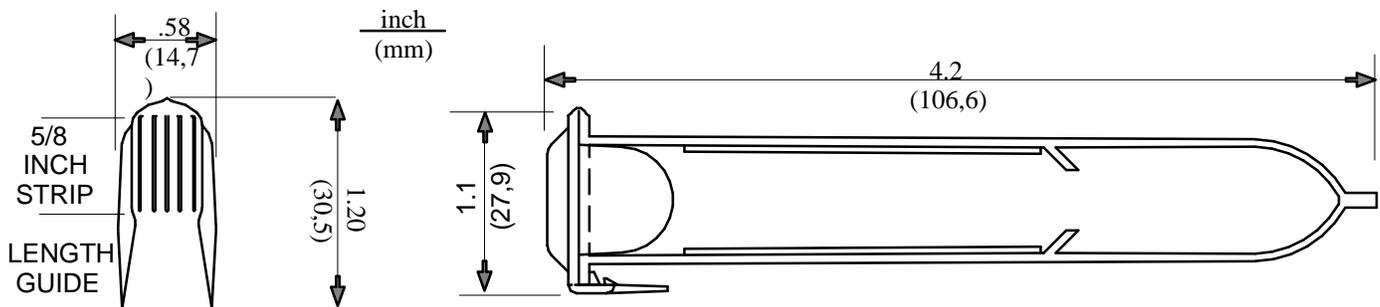
### Construction:

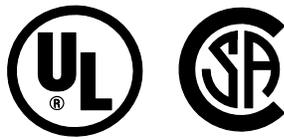
Connector:	Steel spring, metal shell, flame retardant pvc insulator
Tube:	Polypropylene
Gel:	Silicone electrical insulating gel

### Application Data:

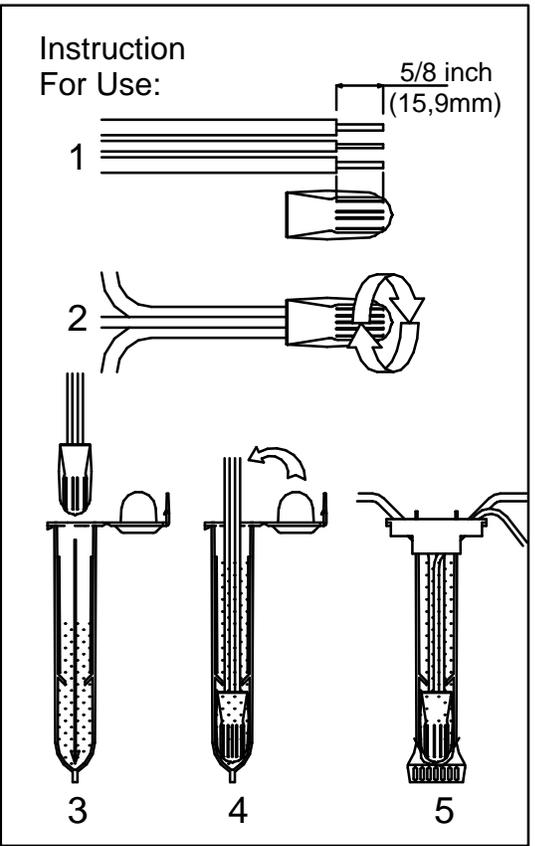
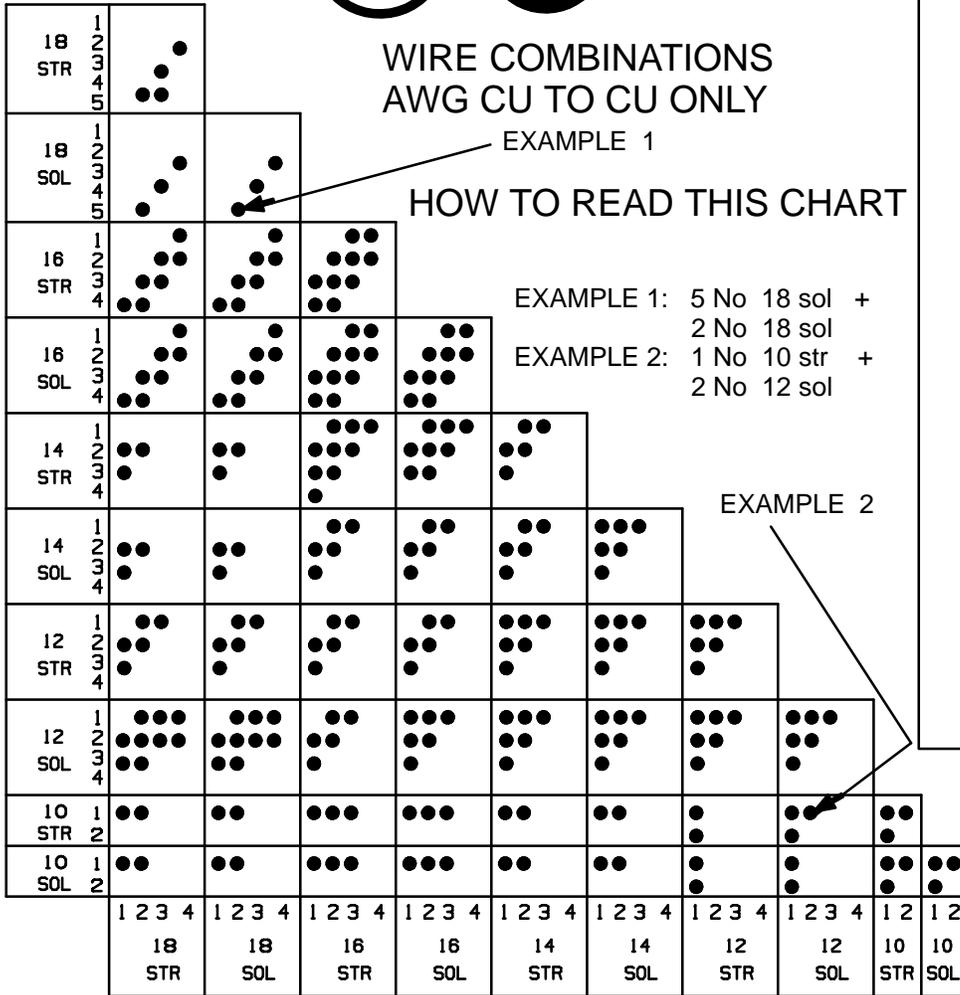
Application Temperature:	32°F to 120°F (0°C to 49°C)
Operating Temperature:	221°F to -40°F (105°C to -40°C)
Voltage Rating:	600 Volts
Weight of one kit ( 2 splices ):	.0990 lbs (44,94 gm)
Storage:	Do not store above 120°F (49°C )

Not for use in direct ultraviolet exposure.





WIRE COMBINATIONS  
AWG CU TO CU ONLY



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
5,0mm <sup>2</sup>	16,0mm <sup>2</sup>

Copper conductors only  
Not UL Listed or  
CSA Certified

Conductor Combinations

Quantity	Size	Type
5	1,0mm <sup>2</sup>	sol/str
4	1,5mm <sup>2</sup>	sol/str
2	2,5mm <sup>2</sup>	sol/str
2	4,0mm <sup>2</sup>	sol/str

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