



NORTHSTAR INDUSTRIES
"An Electrifying Connection"

SURESPlice SK 8-12G • DATA SHEET

Application:

Use part SK 8-12G with a choice of UL & CSA Listed wire nuts or crimps provided with connector.
 Connect two or more pre-stripped copper wire ends in a pigtail, wire nut or copper crimp ends. Then insert into pre-filled tube to seal the connection for direct burial.

Designed to insure waterproof connections.

Bright Orange for high visibility. (or Black)

Common AWG Wire Combinations (Copper Only):

- 2-6 #14 Multi-conductor Wire
- 2-4 #12 SOL or STR
- 2-4 #10 SOL or STR
- 2-4 #8 SOL or STR
- 4 #12 SOL or STR
- 3 #14 to 1 #12 SOL or STR
- 2 #10 to 2 #12 & 2 #16 SOL or STR

Consult Customer SVC for list of complete wire combinations.

The SK 8-12G will splice and effectively waterproof and seal two or more conductors from the elements of rust and/or corrosion. This includes salt water and offers maximum protection against water washout. Keeping the voltage in and the corrosive elements out. The SK 8-12G must be installed per manufacturer's instructions and all applicable codes.

Fig. 1
Insert wires to bottom of gel-filled tube.

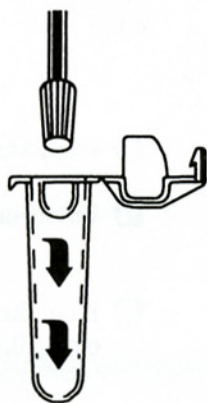


Fig. 2
Position wires into channels.



Fig. 3
Close splice kit for secured seal.

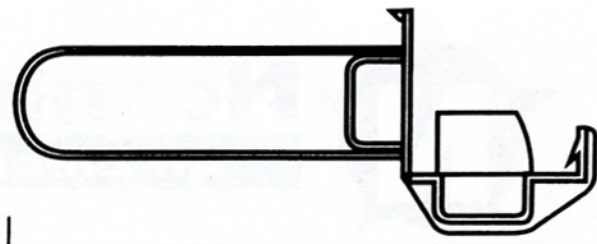


IMPORTANT NOTICE TO PURCHASER:

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 not guaranteed. Before utilizing the product, the user should determine the stability of the product for its intended use. The user assumes all risks and liability whatsoever in connection with such use. All statements or

recommendations of the seller which are not contained in the seller's current publications shall have no force or effect unless contained in an agreement signed by an authorized officer of the seller. The statements contained herein are made in lieu of all warranties expressed or implied, including but not limited to the implied warranties of merchant-ability and fitness for particular purpose which warranties are

hereby expressly disclaimed. SELLER SHALL NOT BE LIABLE TO THE USER OR ANY OTHER PERSON UNDER ANY LEGAL THEORY, INCLUDING BUT NOT LIMITED TO NEGLIGENCE OR STRICT LIABILITY, FOR ANY INJURY OR FOR ANY DIRECT OR CONSEQUENTIAL DAMAGES SUSTAINED OR INCURRED BY REASON OF THE USE OF ANY OF THE SELLERS PRODUCTS.



Not Actual Size

CONSTRUCTION

Dimensions:	SK 8-12G Length: 3 ^{5/8} " Inside Diameter: 7/8"
Splice Tube:	High Impact Polypropylene, U.V. Rated Sunlight Resistance
Gel:	Non-Melting Synthetic Dielectric Waterproof Sealant Meets USDA H-1 Rating (Environmentally Safe)
Connector:	Steel Spring, Shell, Flame Retardant thermo Plastic Insulator
Crimp:	True Copper
Voltage Rating:	30 Volts Splice Kits are U.V. Rated

Weight of one SK 8-12G: .062 lbs.
(30g)

APPLICATION DATA

Application Temp.: -23° F - 350° F
-23° C - 177° C

Operating Temp.: 350° F - 177° C
-23° Centigrade

Do not store above 220° F (104.4° C)
 Shelf Life Indefinite at 73° F - 22.7° C

Customer Service Phone Toll FREE: (888) 549-8155 • Local (951) 351-7800 • Fax (951) 351-7801 • www.SureSplice.com



LIFETIME PRODUCT WARRANTY





NORTHSTAR INDUSTRIES

"An Electrifying Connection"

DATA SHEET WP 888 DIELECTRIC GEL

(For Pre-Filled Suresplice)

INTRODUCTION

WP 888 Dielectric Gel is a versatile, pure synthetic, completely waterproof grease. It is formulated to seal out water and lubricate under the most adverse conditions. **WP 888 Dielectric Gel** with its highly adhesive qualities and high load carrying characteristic forms a tough durable film of lubrication that prevents metal-to-metal contact even under severe shock loads. In addition, it protects copper, steel, and aluminum electrical connectors submerged in salt and fresh water. **WP 888 Dielectric Gel** is environmentally friendly, because it is manufactured from FDA approved components.

A request from NORTHSTAR INDUSTRIES TO EVALUATE THE LONGEVITY OR LIFETIME OF THE WP 888 DIELECTRIC GEL in underground electrical connections produced the following information:

TYPICAL TEST RESULTS

TEST	ASTM METHOD	RESULTS
N.L.G.I. Grade	-----	2
Penetration, 1 /mm	-----	Synthetic
Thickener	-----	Synthetic
Chemical Resistance	-----	Very Good
Water Resistance	-----	Excellent
Drop Point, F	D-566	None
Pour Point, F	D-97	0
Flash Point, F	D-92	425
Dielectric Strength, volts	D-887	30,000
Corrosion Preventative Test	D-1743	Pass
Water Washout, % Loss	D-1264	0.00

ADVANTAGES

- Waterproof, will not wash out.
- Pure synthetic based formula, Does not contain petroleum!
- Prevents rust and corrosion in The toughest conditions including Saltwater.
- Excellent high/low temperature range
- Clean use, non staining
- Compatible with all plastic and rubber jackets.
- Will not melt or bleed even under extreme high voltage or weather conditions
- Meets FDA regulations 21 CFR #178.3570
- High Metal affinity
- Environmentally friendly
- High dielectric strength, over 30,000 volts.

CONCLUSION:

The WP 888 Dielectric Gel used to insulate the electrical connection in a sealed container such as Northstar's Suresplice Direct Burial Splice Kits, would prevent the ingress of water or other contaminants coupled with the above test results. It is our conclusion the grease would have an indefinite lifetime when used in this system.

Rev.10/03

Technical Information Report was provided by the manufacturer of WP888 DIELECTRIC GEL. If you have any questions please contact customer service at (888) 549-8155

9331 Douglas Drive • Riverside, CA 92503 • Toll Free (888) 549-8155 • Local (951) 351-7800 • Fax (951) 351-7801 • www.SureSplice.com