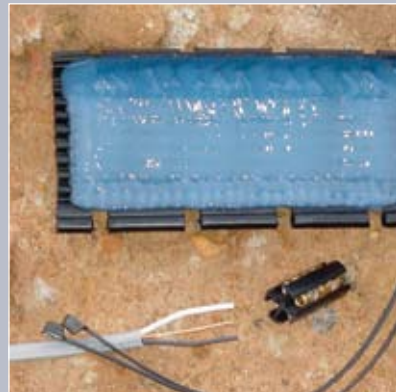




— EFFECTIVE FEBRUARY 2007 —

# Splicing



[www.nsiindustries.com](http://www.nsiindustries.com) • Fax: 800.841.5566 • Phone: 1.800.321.5847

**TORK<sup>®</sup> POLARIS<sup>™</sup> EASY-TWIST<sup>™</sup>**

# Table of Contents

## **POLARIS BLUE™**

### **DIRECT BURIAL & SUBMERSIBLE**

In-Line Splicer/Reducers . . . . .	1
Multi-Cable Connectors . . . . .	1

## **EASY-SPLICE™**

### **COLD APPLIED SPLICES**

Direct Burial "Roll-On" Splices . . . . .	3
Wrap-Around UF Splice Kits . . . . .	3
Wrap-Around Gel, HTAP Gel Tap Splice Kits . . . . .	5
In-line, Gel Tap Splice Kits . . . . .	6

## **HEAT SHRINK SPLICE KITS**

Direct Burial Splice Kits . . . . .	7
Cable Tap Splices . . . . .	8
Armored Cable Splice Kits . . . . .	8
Multi-Conductor Splice Kits . . . . .	9
In-Line Motor Connector Splice Kit . . . . .	9
Heavy Wall Heat Shrink . . . . .	14
Thin Wall Tubing . . . . .	15
Thin & Heavy Wall Heat Shrink Kits . . . . .	17
Heat Shrinkable End Caps . . . . .	17

## **RUBBER, SELF-SEALING & RESIN SPLICE KITS**

Direct Burial with Rubber Cover . . . . .	10
Self-Sealing UF Splice Kits . . . . .	10

## **STUB SPLICE KITS**

Easy-Splice™ "Roll On" Stub Connector Kits . . . . .	11
Stub Motor Connector Kit with Heat Shrink . . . . .	11
Easy-Splice™ "Push On" Gel Stub Splice Kits . . . . .	12
Easy-Splice™ Street Lighting Gel Stub Splice Kits . . . . .	12

## **CABLE REPAIR & ACCESSORIES**

Cable Repair Sleeves . . . . .	18
Wrap-Around Heat Shrink Repair Sleeves . . . . .	18
Cable Breakouts . . . . .	19
Hot-Melt Sealant Sleeves . . . . .	19
Torches & Torch Accessories . . . . .	20

## **THE FINE PRINT**

Alphanumeric Index . . . . .	i
How to Reach Us . . . . .	i
Terms and Conditions . . . . .	i



## Alphanumeric Index

CATALOG NUMBER PAGE

ACSK . . . . .	8
CBB . . . . .	19
CRS . . . . .	18
ESGHS . . . . .	5
ESGS . . . . .	6
ESGTS . . . . .	6
ESSLK . . . . .	12
ESUF . . . . .	3
GSS . . . . .	12
HHK . . . . .	17
HMSS . . . . .	19
HSB . . . . .	17
HSC . . . . .	17
HWHS . . . . .	14
IPLW . . . . .	1
ISW . . . . .	1
ITW . . . . .	1
MHSK . . . . .	9
MSK-/-IL . . . . .	9
MSK-/-S . . . . .	11
PPT . . . . .	20
ROS . . . . .	3
ROSS . . . . .	11
RSK . . . . .	10
SKAB . . . . .	7
SKCB . . . . .	7
SKDB . . . . .	7
SKSS . . . . .	10
SKUF . . . . .	7
THK . . . . .	17
TWHS . . . . .	15,16
WAGS . . . . .	5
WAHS . . . . .	8
WAHSS . . . . .	18

## Terms of Sale

Vendor Number: 662381

1. Prices are F.O.B. our plant.
2. Prices do not include any sales tax.
3. Freight charges will be prepaid on all orders \$250.00 and over shipping within continental USA using standard shipping methods and service.
4. Minimum order – \$100.00.
5. Claims for shortage, erroneous charges or price corrections shall be deemed waived unless made in writing, delivered to NSi within 30 days of invoice.
6. Terms of payment – 2% 10th prox. net 25th following.
7. Warranties: NSi guarantees all products to be free of defects in material and workmanship for a period of 90 days from date of sale. Any claims for defective material must be agreed to in writing by NSi. Defective material will be replaced on an F.O.B. – our factory basis. NSi disclaims the implied warranty of fitness for a particular application.

## Other Products

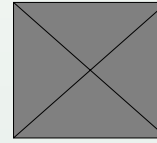
NSi can provide many other products for special applications which are not listed in this catalog. If you require an item which you do not find listed, please contact us. We would be pleased to provide a quotation upon receipt of a drawing or a sample.

## Guarantee

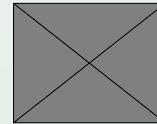
It is our goal to provide extraordinary products and service on a daily basis. If our products or service do not meet with your satisfaction, please let us know immediately and we promise to make every reasonable effort to remedy the situation.



## NSi Industries LLC



9730 Northcross Center Ct.  
Huntersville  
North Carolina, USA  
28078



Phone Toll Free:  
800.321.5847



Fax Toll Free:  
800.841.5566



Email:  
[nsi@nsiindustries.com](mailto:nsi@nsiindustries.com)



Website:  
[www.nsiindustries.com](http://www.nsiindustries.com)



# Polaris Blue™

IN-LINE – MULTI-CABLE – DIRECT BURIAL AND SUBMERSIBLE

## ISW SERIES - DIRECT BURIAL AND SUBMERSIBLE IN-LINE SPLICER/REDUCERS



ISW Series connectors are suitable for connecting two wires in-line and are UL Listed for direct burial and submersible applications (UL486D). Insulated with specially formulated high-strength dielectric plastisol and molded for precise fit for a direct burial connection. Requires no taping, compounds, heat shrink or cutting-to-size in the field. Supplied with removable access plugs over the hex screws. Abrasion and chemical resistant. UV rated. Will not support combustion. Cold temperature rated to -45°C. Suitable for use with aluminum and/or copper conductors. 600 volts. 90°C. Reusable.

CAT. NO.	NAED NO.	WIRE RANGE		INSULATION		HEX SIZE	WEIGHT LBS./EA	(INCHES)			STRIP LENGTH	TIGHTENING TORQUE
		URD/USE	THHN/XHHW*	MIN DIA	MAX DIA			LENGTH	HEIGHT	WIDTH		
ISW-4	95111	4-6 AWG		0.244	0.412	slotted	.12	6.39	1.38	.75	1 <sup>3</sup> / <sub>16</sub>	45
ISW-1	95112	1-2 AWG		0.352	0.582	3/16	.20	6.83	1.68	.88	2 <sup>7</sup> / <sub>32</sub>	150
ISW-3/0	95113	3/0-1/0 AWG		0.462	0.720	1/4	.25	7.05	1.78	.94	7/8	250
ISW-250	95114	250-4/0 AWG		0.618	0.895	5/16	.40	7.58	2.13	1.13	1 <sup>1</sup> / <sub>8</sub>	360

Approved for use with all conductors with insulation suitable for wet and/or damp locations. (Not recommended for use with extra flexible cable. See Polaris Grey, next page).  
\* Not suitable for direct burial with THHN/XHHW wire. For use in enclosures only. A properly installed connector will have no more than one conductor per port.

## IPLW AND ITW MULTI-CABLE CONNECTORS



Suitable for connecting multiple wires and are UL Listed (UL486D) for direct burial and submersible applications. Insulated with specially formulated high-strength dielectric plastisol and molded for precise fit for a direct burial connection. Requires no taping, compounds, heat shrink or cutting-to-size in the field. Supplied with removable access plugs over the hex screws. Abrasion and chemical resistant. UV rated. Will not support combustion. Cold temperature rated to -45°C. Suitable for use with aluminum and/or copper conductors. 600 volts. 90°C.

CAT. NO.	NAED NO.	#OF PORTS	WIRE RANGE		INSULATION		HEX SIZE	WEIGHT LBS./EA	(INCHES)			STRIP LENGTH	TIGHTENING TORQUE
			URD/USE	THHN/XHHW*	MIN DIA	MAX DIA			LENGTH	HEIGHT	WIDTH		
ITW-4	95123	2	4-6 AWG		.244	.412	slotted	.11	1.68	1.38	3.26	3/16	45
IPLW4-3	95115	3	4-6 AWG		.244	.412	slotted	.19	2.64	1.38	3.26	3/16	45
IPLW4-4	95116	4	4-6 AWG		.244	.412	slotted	.27	3.61	1.38	3.26	3/16	45
IPLW4-5	78929	5	4-6 AWG		.244	.412	slotted	.35	4.57	1.38	3.26	3/16	45
IPLW4-6	78930	6	4-6 AWG		.244	.412	slotted	.43	5.54	1.38	3.26	3/16	45
ITW-1	95126	2	1-2 AWG		.352	.582	3/16	.19	1.87	1.68	3.55	2 <sup>7</sup> / <sub>32</sub>	150
IPLW1-3	95121	3	1-2 AWG		.352	.582	3/16	.29	2.80	1.68	3.55	2 <sup>7</sup> / <sub>32</sub>	150
IPLW1-4	95122	4	1-2 AWG		.352	.582	3/16	.39	3.72	1.68	3.55	2 <sup>7</sup> / <sub>32</sub>	150
IPLW1-5	78931	5	1-2 AWG		.352	.582	3/16	.49	4.65	1.68	3.55	2 <sup>7</sup> / <sub>32</sub>	150
IPLW1-6	78932	6	1-2 AWG		.352	.582	3/16	.59	5.57	1.68	3.55	2 <sup>7</sup> / <sub>32</sub>	150
ITW-3/0	95124	2	1-2 AWG		.462	.720	1/4	.27	2.37	1.78	3.78	7/8	250
IPLW3/0-3	95117	3	3/0-1/0 AWG		.462	.720	1/4	.54	3.57	1.78	3.78	7/8	250
IPLW3/0-4	95118	4	3/0-1/0 AWG		.462	.720	1/4	.81	4.77	1.78	3.78	7/8	250
IPLW3/0-5	78933	5	3/0-1/0 AWG		.462	.720	1/4	1.08	5.97	1.78	3.78	7/8	250
IPLW3/0-6	78934	6	3/0-1/0 AWG		.462	.720	1/4	1.35	7.17	1.78	3.78	7/8	250
ITW-250	95125	2	250-4/0 AWG		.618	.895	5/16	.40	2.57	2.13	3.94	1 <sup>1</sup> / <sub>8</sub>	360
IPLW250-3	95119	3	250-4/0 AWG		.618	.895	5/16	.62	3.81	2.13	3.94	1 <sup>1</sup> / <sub>8</sub>	360
IPLW250-4	95120	4	250-4/0 AWG		.618	.895	5/16	.84	5.11	2.13	3.94	1 <sup>1</sup> / <sub>8</sub>	360
IPLW250-5	78935	5	250-4/0 AWG		.618	.895	5/16	1.06	6.41	2.13	3.94	1 <sup>1</sup> / <sub>8</sub>	360
IPLW250-6	78936	6	250-4/0 AWG		.618	.895	5/16	1.28	7.71	2.13	3.94	1 <sup>1</sup> / <sub>8</sub>	360

Approved for use with all conductors with insulation suitable for wet and/or damp locations. (Not recommended for use with extra flexible cable. See Polaris Grey, next page).  
A properly installed connector will have no more than one conductor per port.

## POLARIS BLUE CUSTOM CONNECTORS

Let us custom engineer and fabricate a UL Listed direct burial and submersible insulated connector for your next project. Choose any combination and quantity of our standard Polaris Blue and we'll build a connector to meet your exact requirements. Wire entry can even be from either side of the connector, based on your specific project needs. UL486D for direct burial or below grade use and submersible applications.



leaders  
leave an  
impression.



follow the leader.

**Polaris Blue™ Submersible.**

THERE IS NO BETTER METHOD FOR MAKING A DIRECT BURIAL OR SUBMERSIBLE CONNECTION.

**NSI**  
POLARIS BLUE

This UL listed connector will do for direct burial and submersible applications what the original Polaris did for your standard installations. Remember split bolts? Reduce your risk. No taping. No guessing. No cutting to size in the field. Leave your epoxies and heat shrink in the truck! Polaris Blue provides an installation you can be sure of. Like all members in the Polaris family, Polaris Blue will save you time and money, while guaranteeing a perfect connection every time.

**FASTER:** Strip the cable. Insert into Polaris Blue. Tighten the screw. That's it. Requires no taping, compounds, heat shrink, cutting, or set-up time.

**SIMPLER INSTALLATION:** All you need is a knife and a slotted screwdriver or allen head wrench. You don't need to search for a propane torch, or find out who has the compression tool. You don't need the skills of a surgeon to properly trim parts or the training of a scientist to mix chemicals to complete a successful connection.

**EASIER:** Most repairs to a damaged USE or URD cable are found by using a post hole digger. Not enough space to ensure a good connection when using traditional methods such as heat shrink or rubber kits. Unless you dig a giant hole (time is money...), it's pretty difficult to get a heat gun under the heat shrink. Plus, you have the investment in tarps, rain gear and cold medicine while you wait for ideal conditions. None of this is a problem for Polaris Blue!

**MORE RELIABLE:** There is less chance for error since there is little work performed in the field. The installation has been applied in a controlled, quality environment. Eliminates time consuming, expensive call backs.

**BETTER:** Insulated with specially formulated, high-strength dielectric plastisol and molded for a precise fit. UL486D rated for direct burial, below grade use and submersible applications. Cold temperature rated to -45° C. Suitable for use with copper or aluminum conductors and abrasion and chemical resistant. The connector is even supplied complete with oxide inhibitor.

**COST EFFECTIVE:** Polaris Blue is less expensive than traditional rubber or epoxy kits right off the shelf – not even including the connector – and then add the cost of installation! The RS Means Electrical Cost Data calculates that 1 electrician splicing cable from #6 to #1 AWG requires 2 man-hours per splice and for cable from 1/0 to 250 MCM, approximately 2.5 hours. Including overhead and profit, the cost of the smaller splice should cost \$211. Polaris Blue can be installed in minutes, and the total cost of the connector is less than the cost of an electrician for an hour. Easily the most cost-effective way to solve direct burial and submersible connection problems.

FOR MORE INFORMATION ON POLARIS BLUE CALL 800.321.5847

## EASY-SPLICE™ DIRECT BURIAL “ROLL-ON” SPLICES FOR 1/C POWER CABLE - 1,000 V



The easy “roll-on” way to insulate and seal cable connections up to 1,000 volts. The gripping force of the EPDM elastomer combines with high performance sealant to form a water resistant, UV resistant insulating sleeve appropriate for direct burial application over in-line compression connectors.

For use on standard poly- or elastomeric-insulated cables. Insulates and seals in-line compression connectors or terminal lugs. Cable

can be energized immediately.

Ideal for use where gas or electric heating devices are not approved.

Qualified to ANSI C119.1-1986. CSA certified to C22.2 No. 198.2. UL 486D listed, suitable for direct burial. RUS accepted for use as a secondary tap or splice cover.

Each kit includes one Easy-Splice™ sleeve and sealant strips.

CATALOG NO.	NAED NO.	CONDUCTOR SIZE (AWG/kcmil)	CABLE O.D. (MIN.-MAX.)	SLEEVE LENGTH	MAX. CONNECTOR LENGTH	CARTON QUANTITY
ROS-2/0	12335	#8 – 2/0	0.22-0.68 (6-17)	8.00 (205)	5.00 (127)	12
ROS-250	12336	1/0 – 250	0.50-0.90 (13-23)	9.50 (241)	4.50 (114)	12
ROS-600	12338	250 – 600	0.70-1.20 (18-30)	12.00 (305)	7.00 (178)	6
ROS-1000	12333	600 – 1000	0.95-1.50 (24-38)	14.00 (356)	9.00 (229)	6

## EASY-SPLICE™ WRAP-AROUND UF SPLICE KIT



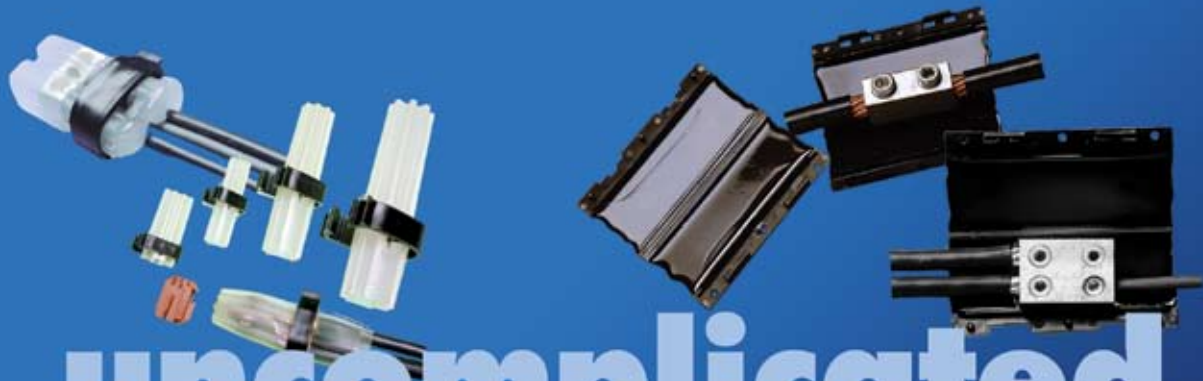
The Easy-Splice™ wrap-around UF splice kit provides a quick and convenient method of splicing underground feeder (UF) cable.

Installers will appreciate the wrap-around design and fast installation. No heating or waiting for compounds to cure. The unique sealing gel entirely encapsulates the splice completely sealing out moisture or other contaminants.

The splice kit is rated for 600 volt applications. Wide product use range. The Easy-Splice™

wrap-around UF splice kit covers UF splices from 14/2 to 8/3 with ground. The kit includes connector and closure.

CATALOG NO.	NAED NO.	WIRE RANGE	LENGTH (INCHES)	CARTON QUANTITY
ESUF	16862	14/2 to 8/3 with ground	8	3



uncomplicated,  
effortless,  
elementary...



easy.

# Splicing. Simple: NSi.

Incredibly easy cold-applied splicing solutions are available at NSi. Minimal labor. No heat. No elaborate in-field installation techniques. Drop the tape and heat gun and pick up NSi's Easy-Splice™ family. We engineer every NSi splice kit to make your life easier; Easy-Splice™ splices and taps are no exception.

Splicing. Simple. From NSi.

**Easy-Splice™ Roll-on splices.**

**Easy-Splice™ Wrap-around gel splices.**

**Easy-Splice™ Push-on stub splice kits.**

**Easy-Splice™ In-line gel, gel tap, and H-tap splices.**







# Cold Applied Splices

EASY-SPLICE™ WRAP-AROUND GEL / HTAP GEL SPLICE

## EASY-SPLICE™ WRAP-AROUND GEL SPLICE KITS



Easy-Splice™ wrap-around gel splice closure sleeves quickly insulate and seal buried electrical connections rated up to 1,000 volts. Engineered to handle direct burial and manhole applications, these splice enclosure sleeves are equally well suited for insulation and jacket repair. Simply wrap and snap the sleeve on any cable in the use range. The sealant gel in the sleeve seals on contact. The splice closure sleeve can be applied on all common compression connectors and low

voltage cables, as well as in-line mechanical connectors.

Qualified to ANSI C119.1-1986 for underground splicing.

A minimum seal length is required on each side of the connector opening or jacket damage.

Use these guidelines for minimum seal distance:

WAGS-4/0 series: 1.50" each side

WAGS-500 series: 2.00" each side

WAGS-750 series: 3.00" each side

CATALOG NO.	NAED NO.	SLEEVE LENGTH	CONDUCTOR SIZE	MAX. CONNECTOR OPENING	GENERAL USE DIAMETER LENGTH	CARTON QUANTITY
WAGS-4/0-4	01571	4.00 (100)	#14 – 4/0 (2 – 95)	1.00 (25)	0.15 – 0.70 (4 – 18)	3
WAGS-4/0-6	01572	6.00 (150)	#14 – 4/0 (2 – 95)	3.00 (75)	0.15 – 0.70 (4 – 18)	3
WAGS-4/0-8	01573	8.00 (200)	#14 – 4/0 (2 – 95)	5.00 (125)	0.15 – 0.70 (4 – 18)	3
WAGS-4/0-10	01570	10.00 (250)	#14 – 4/0 (2 – 95)	7.00 (175)	0.15 – 0.70 (4 – 18)	3
WAGS-500-6	01576	6.00 (150)	#6 – 500 (16 – 240)	2.00 (50)	0.40 – 1.30 (10 – 33)	3
WAGS-500-8	01577	8.00 (200)	#6 – 500 (16 – 240)	4.00 (100)	0.40 – 1.30 (10 – 33)	3
WAGS-500-10	01574	10.00 (250)	#6 – 500 (16 – 240)	6.00 (150)	0.40 – 1.30 (10 – 33)	3
WAGS-500-12	01575	12.00 (300)	#6 – 500 (16 – 240)	8.00 (200)	0.40 – 1.30 (10 – 33)	3
WAGS-750-8	01582	8.00 (200)	250 – 750 (120 – 350)	2.00 (50)	0.80 – 1.50 (20 – 38)	3
WAGS-750-10	01583	10.00 (250)	250 – 750 (120 – 350)	4.00 (100)	0.80 – 1.50 (20 – 38)	3
WAGS-750-12	01584	12.00 (300)	250 – 750 (120 – 350)	6.00 (150)	0.80 – 1.50 (20 – 38)	3
WAGS-750-14	01585	14.00 (350)	250 – 750 (120 – 350)	8.00 (200)	0.80 – 1.50 (20 – 38)	3
WAGS-750-16	01586	16.00 (400)	250 – 750 (120 – 350)	10.00 (250)	0.80 – 1.50 (20 – 38)	3

## EASY-SPLICE™ H TAP GEL SPLICE COVERS



The Easy-Splice™ low-voltage H-frame closure insulates and seals low-voltage cable-taps and splices made with H-frame compression connectors. The closure utilizes sealing gel material to seal and protect the connection from moisture ingress, corrosion and pollution.

To install, simply place the connection on the closure and press the closure together. The low-

voltage H-frame closure is ideal for both underground and overhead applications and is especially useful for street lighting applications.

Qualified to ANSI C119.1-1986 for underground splicing. Rated -40°C to 90°C, 1,000 volts, UV resistant.

The Easy-Splice™ H tap gel splice covers do not include connector.

CATALOG NO.	NAED NO.	MAIN	TAP	DIE	CARTON QUANTITY
ESGHS-BG	16865	#6 – #2 AWG	#14 – #8 AWG	BG	6
ESGHS-O	16866	#2 – 2/0 AWG	#14 – #6 AWG	O	6
ESGHS-N	16867	350 MCM	4/0 AWG	N	3

### ESGHS-BG APPROVED CONNECTORS

Blackburn WR9	NSi WR9
Burndy YPC2A8U	T&B 63105
Homac UB214	

### ESGHS-O APPROVED CONNECTORS

Blackburn WR139	Burndy YHO-1	Homac OB22	NSi WR139	T&B 63110
Blackburn WR159	Burndy YHO-2	Homac OB44	NSi WR159	UTILCO HT1
Blackburn WR179	Burndy YHO 100	Homac OB102	NSi WR179	UTILCO HT2
Blackburn WR199	Burndy YHO 125	Homac OB103	NSi WR199	
	Burndy YHO 150			



## EASY-SPLICE™ IN-LINE GEL SPLICE KIT (WITH CONNECTOR)



The Easy-Splice™ in-line gel splice kit provides a sealed splice for underground, buried and overhead applications. This in-line closure offers a fast and simple method for splicing, insulating and environmentally sealing low voltage cable splices.

Simply install the connector on a copper or aluminum cable, place it in the closure, and snap closed. The splice kit is watertight for use in all

locations.

Qualified to ANSI C119.1-1986 for underground splicing. Sealing and corrosion protection provided by sealant gel. Rated -40°C to 90°C, 1,000 volts.

The Easy-Splice™ in-line gel splice kit is UV resistant and includes one dual-rated connector for use with copper or aluminum conductors.

CATALOG NO.	NAED NO.	WIRE RANGE	CARTON QUANTITY
ESGS-4/0	16861	#2 – 4/0 AWG	3

## EASY-SPLICE™ GEL TAP SPLICE KITS (WITH CONNECTOR)



The Easy-Splice™ gel tap splice kit provides a fast and simple method for connecting, insulating, and environmentally sealing low-voltage splices. The splice kit is designed for underground and overhead environments and is useful for street lighting applications.

The splice kit's dual-rated mechanical connector splices a wide range of cables, including copper and aluminum. The connector's four port

design allows maximum inventory flexibility. The sealant gel protects the connection from moisture ingress, corrosion and pollution. The hinged splice closure can be installed over the connector in seconds by simply snapping the cover shut.

Qualified to ANSI C119.1-1986 for underground splicing. Rated -40°C to 90°C, UV resistant.

CATALOG NO.	NAED NO.	WIRE RANGE	CLOSURE DIMENSIONS			CARTON QUANTITY
			LENGTH	WIDTH	HEIGHT	
ESGTS-2	16863	#14 – #2 AWG	2.75	1.63	1.06	3
ESGTS-2/0	16864	#14 – 2/0 AWG	4.25	2.00	1.19	3

## DIRECT BURIAL SPLICE KITS WITH HEAT SHRINK - SUBMERSIBLE



600-volt maximum, supplied in attractive, clear point-of-purchase packaging.

### 1. Copper Butt Splice Kits

Utilizing a mechanical copper butt splice and a heavy wall heat shrink tubing to create a fully insulated splice for copper conductors only.



### 2. Dual Rated Butt Splice Kits

Utilizing a mechanical dual rated splice and matched heavy wall heat shrink tubing to create an insulated splice for copper and/or aluminum cables.



### 3. UF Cable Splice Kit

For simplified splicing of UF cable designed with heavy wall heat shrink with sealant. This kit will accommodate 14/3 through 8/3 with ground UF cable and create a direct burial splice. Contains one four-position connector.



### 4. UF Stretcher Kit

Eliminates the need for using two connectors and a short piece of cable when repairing damaged

UF cable. Includes one 11.5" connector that will accommodate 14/3 without GRD minimum and 8/3 with GRD maximum. 600 Volt, 105°C. Utilizes heavy wall shrink with sealant for a quick and reliable repair.



CATALOG NO.	NAED NO.	FIGURE	RANGE	CARTON QTY.
SKCB-8	16900	1	#14 to #8 AWG	24
SKCB-2	16903	1	#8 to #2 AWG	24
SKAB-2	16910	2	#8 to #2 AWG	24
SKAB-0	16913	2	#6 to 1/0 AWG	24
SKAB-250	16916	2	1/0 AWG to 250 MCM	12
SKDB	16920	3	14/3 to 8/3 with ground	24
SKUF	16934	4	14/3 without ground to 8/3 with ground	12

## CABLE TAP SPLICES FOR LOW VOLTAGE POWER CABLE

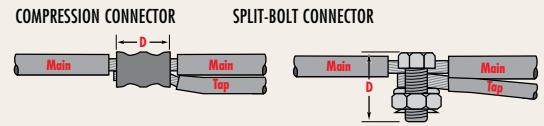


Use as a wrap-around, sealed cable tap splice. Coated with adhesive sealant, our WAHS kits are qualified to ANSI C119.1986, rated to ICEA electrical withstand test for 1,000 volts, and RUS accepted for use with compression and split-bolt connectors.

For use on standard poly- or elastomeric-insulated conductors, UV resistant.

Kits are capable of insulating and sealing wye (3-wire) or H (4-wire) configurations up to 1,000 volts. These kits do not include connectors. The

WAHS kits include insulating sleeve, sealant strip and stainless steel channel closure.



CATALOG NO.	NAED NO.	CONNECTOR TYPE	CONDUCTOR SIZE (1,000 V MAX.)		CONNECTOR TAP (AWH/kcmil)	DIMENSION (MAX. DIA.)	CARTON QUANTITY
			SLEEVE LENGTH	MAIN (AWH/kcmil)			
WAHS-2	16889	compression	6 (152)	#8 – #2	#10 – #2	2 (51)	3
WAHS-4/0	16890	compression standard split-bolt	8 (203)	#2 – 4/0	#10 – 4/0	4 (102)	3
WAHS-500	16891	compression	8 (203)	#8 – #2	#14 – #2	1.5 (38)	3
			10 (254)	4/0 – 500	#2 – 500	6 (152)	3

## HEAT SHRINK KITS FOR 3 CONDUCTOR ARMORED CABLE



ACSK kits feature a wrap-around, heat shrinkable adhesive-coated outer sleeve that significantly reduces the installation space required and protects the splice from corrosion and moisture. The kit also includes a low-profile wrap-around armor case that is simple to install and requires no compound or resin filling. Each kit includes

material for 3 conductors. Kits do not include connectors, please order them separately.

Qualified to ANSI 119.1-1986 for splicing 3/C polymeric, armored (corrugated or interlocked type) power and control cables (600 to 1,000 volts).

CATALOG NO.	NAED NO.	CONDUCTOR SIZE RANGE (AWG/kcmil)	CABLE O.D. (MIN. – MAX.)	MAXIMUM CONNECTOR LENGTH	CARTON QUANTITY
ACSK-2	16875	#6 – #2	0.60 – 1.50	3.50 (89)	1
ACSK-4/0	16876	#1 – 4/0	0.90 – 2.20	4.00 (102)	1
ACSK-500	16877	250 – 500	1.20 – 3.00	5.00 (127)	1
ACSK-1000	16878	600 – 1000	1.50 – 3.80	7.00 (178)	1

## HEAT SHRINK KITS (600 V - 8Kv) FOR MULTI-CONDUCTOR FLEXIBLE & MINING CABLE



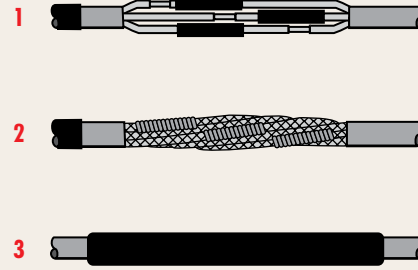
MHSK kits are flame retardant in-line and multi-conductor splice kits for use on mining cables and standard flexible cables up to 2 kV MSHA approved to P-137-4-MSHA. For types G, W, G-GC, and SHD-GC round and flat cables.

MHSK-HV kits are flame retardant multi-conductor splice kits for use on standard flexible cables and mining cables (MP-GC and SHD-GC) up to 8 kV. MSHA approved for P-137-MSHA.

Kits do not include connector, please order separately.

\* MHSK-140LP has a lower profile than MHSK-140.

Typical installation:



CATALOG NO.	NAED NO.	FOR TYPE OF CABLE	CABLE DIAMETER (MIN. - MAX.)	POWER CONDUCTOR SIZE (AWG)			CARTON QUANTITY
				G OR G-GC 3/C	W OR G 2/C	W 4/C	
MHSK-140	16869	Flat cables (600 V to 2 kV)	0.85 - 1.40 (22 - 36)		#6 - #2		3
MHSK-240	16870	Flat cables (600 V to 2 kV)	1.30 - 2.40 (33 - 61)	#6 - #1	#1 - 4/0	#6 - #1	3
MHSK-315	16871	Flat cables (600 V to 2 kV)	1.60 - 3.15 (41 - 80)	#2 - 4/0		#2 - 4/0	1
MHSK-140LP*	16868	round cables	0.85 - 1.40 (22 - 36)	#8 - #6	#8 - #6		3
MHSK-140	16869	round cables	0.85 - 1.40 (22 - 36)	#6 - #2	#6 - #4		3
MHSK-240	16870	round cables	1.30 - 2.40 (33 - 61)	#2 - 3/0	#3 - 3/0	#6 - 1/0	3
MHSK-315	16871	round cables	1.60 - 3.15 (41 - 80)	2/0 - 500	2/0 - 350	1/0 - 350	1

CATALOG NO.	NAED NO.	FOR TYPE OF CABLE	POWER CONDUCTOR SIZE (AWG/kcmil)				SLEEVE LENGTH	CARTON QUANTITY
			5 kV 3/C MP-GC	5 kV 3/C SHD-GC	8 kV 3/C MP-GC	8 kV 3/C SHD-GC		
MHSK-HV-1	16872	3/C flexible (5 to 8 kV)	#6 - #1	#6 - #4	#6 - #4	22	1	
MHSK-HV-2	16873	3/C flexible (5 to 8 kV)	1/0 - 350	#2 - 3/0	#2 - 4/0	22	1	
MHSK-HV-4	16874	3/C flexible (5 to 8 kV)	400 - 750	4/0 - 350	250 - 750	29	1	

Includes one 3/C kit per box.

## IN-LINE MOTOR CONNECTION KITS WITH HEAT SHRINK

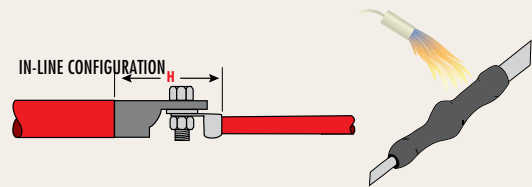


The in-line connection kit is used where space permits to splice in-line connections.

MSK is qualified to ANSI-C119.1-1986 and rated to ICEA electrical withstand test for 1,000 volts. For use as an in-line splice between 1/C poly feeder cable and motor leads. UV resistant. Provides excellent insulation sealing and resistance to abrasion in motor connections.

Kit includes sufficient materials to complete

three connections, connectors not included.



CATALOG NO.	NAED NO.	MOTOR FEEDER SIZE (AWH/kcmil)	BOLT LENGTH (MAX.)	CONNECTION LENGTH (MAX.) H	SLEEVE LENGTH (NOMINAL)	CARTON QUANTITY
MSK-4/0-IL	16896	#8 - 4/0	1.25	5.0 (127)	9.0 (229)	3
MSK-1000-IL	16897	250 - 1000	1.50	8.0 (203)	12.0 (305)	2



## DIRECT BURIAL SPLICE KITS WITH RUBBER COVER



Dual-rated for use with copper and aluminum cable, these kits consist of an in-line mechanical set screw connector, pre filled with oxide inhibitor, and an EPDM rubber insulating cover to ensure a watertight seal.

UL listed, 600 volt rated. Supplied in attractive point-of-purchase packaging.

CATALOG NO.	NAED NO.	WIRE RANGE	CONNECTOR LENGTH (INCHES)	SHIPPING WEIGHT LBS. EACH	CARTON QUANTITY
RSK-2/0	16945	#14 – 2/0 AWG	1.88	1	12
RSK-350	16946	#6 AWG – 350 MCM	3.00	2	6
RSK-500	16947	2/0 AWG – 500 MCM	3.19	2.5	6
RSK-750	16948	250 MCM – 750 MCM	6.25	4	3

## SELF-SEALING UF SPLICE KITS



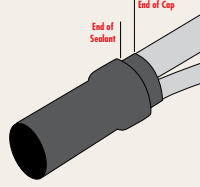
Fully waterproof, submersible and re-enterable splice, through the use of uniquely designed interference fit covers. Kit comes complete with a connector, silicone and cover to create a direct burial splice. Contains one four-position connector that will accommodate #14 to #10 AWG UF cable.

CATALOG NO.	NAED NO.	DESCRIPTION	CARTON QUANTITY
SKSS-2	16930	for 2 conductor cable	12
SKSS-3	16933	for 3 conductor cable	12

## EASY-SPLICE™ DIRECT BURIAL "ROLL-ON" STUB CONNECTION INSULATION KITS



Easy-Splice™ ROSS stub kits offer the quick and easy "roll-on" way to insulate and seal stub connections in motors and street lights to 1,000 volts. The elastomeric cap provides the required insulation thickness, withstands abrasion, and forms a water-resistant seal. Suitable for use with a single conductor, 1,000 volt power cable. Designed for use with compression connectors



(connectors not included). Each kit includes three ROSS caps and sealant strips to insulate three stub connections. Select the appropriate kit based on the feeder cable conductor size. It is not necessary to know the size of the tap conductor.

Qualified to ANSI C119.1-1986. UL 486D listed, suitable for direct burial.

The tool-free ROSS cap is ideal for installation in cramped motor boxes. It slides on easily and will not leak, unravel or slip off.

CATALOG NO.	NAED NO.	FEEDER SIZE		BOLT DIMENSIONS		MAXIMUM LUG LENGTH	NOMINAL CAP LENGTH	CARTON QUANTITY
		2 WIRE STUB	3 WIRE STUB	MAX. SIZE	MAX. LENGTH			
ROSS-4	12341	#14 - #4	#14 - #8	0.375 (8)	0.625 (15)	1.75 (45)	3.00 (75)	5
ROSS-2/0	12340	#8 - 2/0	#6 - #2	0.375 (8)	0.750 (20)	2.75 (70)	4.00 (100)	5
ROSS-4/0	12342	#2 - 4/0	n/a	0.500 (12)	1.00 (25)	3.00 (75)	5.25 (130)	5
ROSS-500	12343	250 - 500	n/a	0.625 (16)	1.50 (35)	5.00 (125)	7.50 (190)	5

## STUB MOTOR CONNECTION KITS WITH HEAT SHRINK

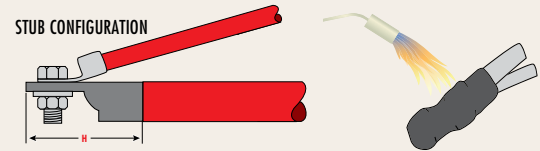


The stub connection kit is designed to splice the stub or butt configuration that is commonly used where there is insufficient room to make in-line connections.

MSK is qualified to ANSI-C119.1-1986 and rated to ICEA electrical withstand test for 1,000 volts. For use as a stub splice between 1/C poly feeder cable and motor leads. UV resistant. Provides excellent insulation sealing and resistance to abrasion in motor connections.

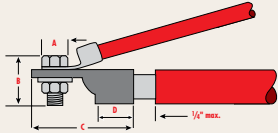
Kit includes sufficient materials to complete

three connections, connectors not included.



CATALOG NO.	NAED NO.	MOTOR FEEDER SIZE (AWH/kcmil)	BOLT LENGTH (MAX.)	CONNECTION LENGTH (MAX.) H	CAP LENGTH (NOMINAL)	CARTON QUANTITY
MSK-10-S	16892	#14 - #10	0.625	2.0 (51)	2.5 (64)	3
MSK-4-S	16893	#12 - #4	0.75	2.5 (64)	3.4 (86)	3
MSK-4/0-S	16894	#2 - 4/0	1.00	3.5 (89)	4.5 (114)	2
MSK-500-S	16895	250 - 500	1.50	5.5 (140)	6.5 (165)	1

## EASY-SPLICE™ "PUSH ON" GEL STUB SPLICE KITS



Easy-Splice™ gel stub splice kits quickly and conveniently insulate, seal, and protect stub splice connections up to 1,000 volts. The robust yet compact design is engineered to handle the harsh environment of motor and many other connection applications (including street lights).

The specially formulated material provides excellent abrasion resistance, insulation value, and UV resistance (see chart below). In addition, the cap is clear allowing visual inspection of connector positioning during installation and connector performance during service life. Each cap size is designed to fit a wide range of cable sizes. The expandable design keeps the cap as small as possible allowing it to expand only

as much as needed to fit. GSS connector kits provide the fastest installation. Simply slide the cover down over the connection and snap the clamp closed. No extra materials (greases) are required, the sealant gel is already in the cap.

Common uses for the GSS connector are: street lights, motor connection, irrigation systems, HVAC, outdoor lighting, and over wire nuts for a secure seal. Rated 105°C. UL listed.

The GSS-10 kit is designed for three phases in one cap. It includes one gel filled cap, one cap clamp, and one phase separator. The remaining kits include three of each – one per phase.

CATALOG NO.	NAED NO.	FEEDER CONDUCTOR SIZE (MM)	MAX. BOLT DIMENSIONS		LUG DIMENSIONS		CAP LENGTH E	CARTON QUANTITY
			WIDTH A	LENGTH B	TOTAL LENGTH C	BARREL LENGTH D		
GSS-10	01555	#16 – #10 AWG (1.5 – 5)	0.375 (10)	0.50 (13)	1.00 (25)	0.50 (13)	2.80 (71)	5
GSS-2	01556	#8 – #2 AWG (8 – 35)	0.625 (16)	1.00 (25)	2.00 (51)	1.00 (25)	3.50 (89)	5
GSS-4/0	01557	#2 – #4/0 AWG (35 – 105)	0.850 (22)	1.30 (33)	3.00 (76)	1.50 (38)	6.00 (152)	5
GSS-500	01558	250 – 500 MCM (125 – 250)	1.100 (28)	1.85 (47)	5.00 (127)	2.00 (51)	8.00 (203)	5

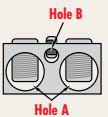
## EASY-SPLICE™ GEL STUB SPLICE KIT (WITH CONNECTOR FOR STREET LIGHTING)



The Easy-Splice™ gel stub splice kit insulates, seals and protects stub splice connections up to 1,000 volts and are frequently used for street lighting connections. The specially formulated material provides excellent abrasion resistance, insulation value and UV resistance. In addition, the cap is clear to allow visual inspection of connector positioning during installation and connector performance during service life.

The special three wire connector is perfect

for street light connections. There are two ports that accept wires from #14 to 2/0 AWG (feeder cable). Use the single port that accepts #14 to #6 AWG to power the light. To install, simply push the cover down over the connection and snap the clamp closed. Corrosion protection is provided by the sealant gel. The kit includes a UL listed connector for use with copper and/or aluminum conductors, a gel filled cap and a cap clamp.



CATALOG NO.	NAED NO.	WIRE RANGE	HOLE A	WIRE RANGE	HOLE B	CARTON QUANTITY
			TORQUE		TORQUE	
ESSLK-2/0	16860	#14 AWG – 2/0	120 – 180 in/lb	#6 – #14 AWG	120 – 150 in/lb	3

### TESTING TEST CONDITIONS

chemical resistance	ASTM D543, sulfuric acid, sodium hydroxide, transformer and motor oil
ozone resistance	ASTM D1149, 120 hours @ 40°C, 50pphm
accelerated aging	ASTM D2671
UV resistance	ASTM G154, UVB, 4,000 hours on/off cycle
abrasion resistance	2040 gm wt., 4,000 cycles, 5% max thickness loss

OF cable • armored cable  
stretcher kits • direct



thin wall kits • caps



orches & accessories • m  
• in-line motor connectio  
tub connection • cable ta

# Heat Shrink Splicing from NSi.







# Heat Shrink

HEAVY WALL WITH SEALANT – DIRECT BURIAL & SUBMERSIBLE

## HEAVY WALL WITH SEALANT - FOR DIRECT BURIAL AND SUBMERSIBLE APPLICATIONS



Made of specially formulated polyolefin, which is irradiated and thermally stabilized to give the material an “elastic memory”. When a proper amount of heat is directly applied to the shrink sleeve, it will permanently shrink to its original unexpanded diameter. The characteristics of these sleeves are such that they will shrink to tightly cover, and in a sense “mold” themselves into irregular shapes. The interior of the sleeve is coated with an adhesive that assures a watertight seal after shrinking. Recommended for installation on applications of up to 1,000 volts. Shrinking temperature is 250-275°F.

For use on standard poly- or elastomeric-insulated/jacketed cables or lead-jacketed cables, which may include aluminum or steel armoring.

UL recognized per UL486D, CSA C22.2, ANSI C119.1-1986. RUS accepted for use as a secondary tap or splice cover. May be used for jacket repair on cables up to 35 kV.

Heavy wall heat shrink is also available without sealant. Medium wall heat shrink and flame retardant heavy wall heat shrink also available, with or without sealant (not UL Listed). Please contact NSi for price and delivery.

CATALOG NO.	NAED NO.	CABLE SPLICE RANGE	GENERAL USE RANGE (INCHES)		LENGTH (INCHES)	NOMINAL RECOVERED WALL THICKNESS
			MAXIMUM	MINIMUM		
HWHS 300-6	01172	8-14 AWG	.30	.15	6	.079
HWHS 300-12	01173	8-14 AWG	.30	.15	12	.079
HWHS 300-48	01174	8-14 AWG	.30	.15	48	.079
HWHS 400-6	01150	6-12 AWG	.45	.20	6	.090
HWHS 400-12	01193	6-12 AWG	.45	.20	12	.090
HWHS 400-48	01151	6-12 AWG	.45	.20	48	.090
HWHS 750-4	01175	2-8 AWG	.70	.25	4	.090
HWHS 750-6	01152	2-8 AWG	.70	.25	6	.090
HWHS 750-9	01176	2-8 AWG	.70	.25	9	.090
HWHS 750-12	01153	2-8 AWG	.70	.25	12	.090
HWHS 750-48	01154	2-8 AWG	.70	.25	48	.090
HWHS 110-4	01186	4/0-4 AWG	1.20	.35	4	.120
HWHS 110-6	01168	4/0-4 AWG	1.20	.35	6	.120
HWHS 110-8	01177	4/0-4 AWG	1.20	.35	8	.120
HWHS 110-9	01155	4/0-4 AWG	1.20	.35	9	.120
HWHS 110-12	01156	4/0-4 AWG	1.20	.35	12	.120
HWHS 110-48	01157	4/0-4 AWG	1.20	.35	48	.120
HWHS 150-6	01178	400 MCM -1/0 AWG	1.55	.50	6	.160
HWHS 150-9	01158	400 MCM -1/0 AWG	1.55	.50	9	.160
HWHS 150-12	01159	400 MCM -1/0 AWG	1.55	.50	12	.160
HWHS 150-48	01160	400 MCM -1/0 AWG	1.55	.50	48	.160
HWHS 200-6	01179	500-250 MCM	1.75	.70	6	.160
HWHS 200-9	01161	500-250 MCM	1.75	.70	9	.160
HWHS 200-12	01162	500-250 MCM	1.75	.70	12	.160
HWHS 200-48	01163	500-250 MCM	1.75	.70	48	.160
HWHS 268-6	01190	1000-400 MCM	2.45	.90	6	.160
HWHS 268-9	01164	1000-400 MCM	2.45	.90	9	.160
HWHS 268-12	01165	1000-400 MCM	2.45	.90	12	.160
HWHS 268-48	01166	1000-400 MCM	2.45	.90	48	.160
HWHS 370-12*	01191	1250-800 MCM	3.70	1.30	12	.169
HWHS 370-48*	01192	1250-800 MCM	3.70	1.30	48	.169
HWHS 420-12*	01193	2500-1500 MCM	4.20	1.60	12	.169
HWHS 420-48*	01194	2500-1500 MCM	4.20	1.60	48	.169

\* Not UL Listed

### Connectors over 6 inches:

recommended cut length = connector length + 5 inches.

### Connectors up to 6 inches:

recommended cut length = connector length + 4 inches.



# Heat Shrink

THIN WALL TUBING

## THIN WALL TUBING



Flexible flame-retardant, thin wall, general purpose heat-shrinkable polyolefin tubing has a 2:1 shrink ratio. Used for electrical insulation, wire harness bundling, wire jacket marking and color coding, it also splices and makes functional terminations. Available in black, white, red, green, blue and clear. Standard packaging is either 6"

lengths in blister boxes, or in economical 25' spools.

UL Recognized to Standard 224. Black, white and colored thin wall tubing meet MIL-DTL-23053/5, Class 1. Clear meets MIL-DTL-23053/5, Class 2 and is not flame retardant. Rated 600 volts, 125°C.

CATALOG NO.	NAED NO.	EXPANDED I.D.	RECOVERED I.D.	NOMINAL RECOVERED WALL THICKNESS	PACKAGING	COLOR
TWHS-046-6	01350	.046	0.23	.016	15 pieces x 6" (blister box)	black
TWHS-046-48	01351	.046	0.23	.016	48" length	black
TWHS-046	01352	.046	0.23	.016	1,000 ft. vspool	black
TWHS-063-6	01353	.063	.031	.017	15 pieces x 6" (blister box)	black
TWHS-063-DS	01400	.063	.031	.017	plastic spool - * 96"	black
TWHS-063-48	01354	.063	.031	.017	48" length	black
TWHS-063-25B	01416	.063	.031	.017	25 ft. spool	black
TWHS-063-25W	01417	.063	.031	.017	25 ft. spool	white
TWHS-063-25C	01418	.063	.031	.017	25 ft. spool	clear
TWHS-063	01355	.063	.031	.017	1,000 ft. spool	black
TWHS-093-6	01356	.093	.046	.020	15 pieces x 6" (blister box)	black
TWHS-093-48	01357	.093	.046	.020	48" length	black
TWHS-093-25B	01419	.093	.046	.020	25 ft. spool	black
TWHS-093-25W	01420	.093	.046	.020	25 ft. spool	white
TWHS-093-25C	01421	.093	.046	.020	25 ft. spool	clear
TWHS-093	01358	.093	.046	.020	1,000 ft. spool	black
TWHS-125-6	01359	.125	.062	.020	15 pieces x 6" (blister box)	black
TWHS-125-DS	01561	.125	.062	.020	plastic spool - 96"	black
TWHS-RED	01390	.125	.062	.020	15 pieces x 6" (blister box)	red
TWHS-125-48	01360	.125	.062	.020	48" length	black
TWHS-125-25B	01422	.125	.062	.020	25 ft. spool	black
TWHS-125-25W	01423	.125	.062	.020	25 ft. spool	white
TWHS-125-25C	01424	.125	.062	.020	25 ft. spool	clear
TWHS-125-500B	01425	.125	.062	.020	500 ft. spool	black
TWHS-125	01361	.125	.062	.020	1,000 ft. spool	black
TWHS-187-6	01362	.187	.093	.020	12 pieces x 6" (blister box)	black
TWHS-187-DS	01562	.187	.093	.020	plastic spool - 96"	black
TWHS-BLUE	01391	.187	.093	.020	12 pieces x 6" (blister box)	blue
TWHS-187-48	01363	.187	.093	.020	48" length	black
TWHS-187-25B	01428	.187	.093	.020	25 ft. spool	black
TWHS-187-25W	01429	.187	.093	.020	25 ft. spool	white
TWHS-187-25C	01430	.187	.093	.020	25 ft. spool	clear
TWHS-187	01364	.187	.093	.020	1,000 ft. spool	black
TWHS-250-6	01365	.250	.125	.025	10 pieces x 6" (blister box)	black
TWHS-250-DS	01563	.250	.125	.025	plastic spool - 96"	black
TWHS-YELLOW	01392	.250	.125	.025	10 pieces x 6" (blister box)	yellow
TWHS-250-48	01366	.250	.125	.025	48" length	black
TWHS-250-25B	01431	.250	.125	.025	25 ft. spool	black
TWHS-250-25W	01432	.250	.125	.025	25 ft. spool	white
TWHS-250-25C	01433	.250	.125	.025	25 ft. spool	clear
TWHS-250-25B	01434	.250	.125	.025	250 ft. spool	black
TWHS-250	01367	.250	.125	.025	500 ft. spool	black



## THIN WALL TUBING



CATALOG NO.	NAED NO.	EXPANDED I.D.	RECOVERED I.D.	NOMINAL RECOVERED WALL THICKNESS	PACKAGING	COLOR
TWHS-312-6	01368	.312	.156	.025	10 pieces x 6" (blister box)	black
TWHS-312-DS	01564	.312	.156	.025	plastic spool – 96"	black
TWHS-312-48	01369	.312	.156	.025	48" length	black
TWHS-312	01370	.312	.156	.025	200 ft. spool	black
TWHS-375-6	01371	.375	.187	.025	9 pieces x 6" (blister box)	black
TWHS-375-DS	01405	.375	.187	.025	plastic spool – 96"	black
TWHS-375-48	01372	.375	.187	.025	48" length	black
TWHS-375-25B	01437	.375	.187	.025	25 ft. spool	black
TWHS-375-25W	01438	.375	.187	.025	25 ft. spool	white
TWHS-375-25C	01439	.375	.187	.025	25 ft. spool	clear
TWHS-375-200B	01383	.375	.187	.025	200 ft. spool	black
TWHS-500-6	01374	.500	.250	.025	8 pieces x 6" (blister box)	black
TWHS-500-DS	01566	.500	.250	.025	plastic spool – 96"	black
TWHS-500-48	01375	.500	.250	.025	48" length	black
TWHS-500-25B	01444	.500	.250	.025	25 ft. spool	black
TWHS-500-25W	01445	.500	.250	.025	25 ft. spool	white
TWHS-500-25C	01446	.500	.250	.025	25 ft. spool	clear
TWHS-500-150B	01447	.500	.250	.025	150 ft. spool	black
TWHS-500	01376	.500	.250	.025	200 ft. spool	black
TWHS-750-6	01377	.750	.375	.030	6 pieces x 6" (blister box)	black
TWHS-750-DS	01567	.750	.375	.030	plastic spool – 96"	black
TWHS-750-48	01378	.750	.375	.030	48" length	black
TWHS-750-25B	01452	.750	.375	.030	25 ft. spool	black
TWHS-750-25W	01453	.750	.375	.030	25 ft. spool	white
TWHS-750-25C	01454	.750	.375	.030	25 ft. spool	clear
TWHS-750	01379	.750	.375	.030	100 ft. spool	black
TWHS-1000-6	01380	1.000	.500	.035	4 pieces x 6" (blister box)	black
TWHS-1000-DS	01560	1.000	.500	.035	plastic spool – 96"	black
TWHS-1000-48	01381	1.000	.500	.035	48" length	black
TWHS-1000-25B	01455	1.000	.500	.035	25 ft. spool	black
TWHS-1000-25W	01456	1.000	.500	.035	25 ft. spool	white
TWHS-1000-25C	01457	1.000	.500	.035	25 ft. spool	clear
TWHS-1000	01382	1.000	.500	.035	100 ft. spool	black
TWHS-1500-25B	01458	1.500	.750	.040	25 ft. spool	black
TWHS-1500-25W	01459	1.500	.750	.040	25 ft. spool	white
TWHS-1500-25C	01460	1.500	.750	.040	25 ft. spool	clear
TWHS-2000-25B	01461	2.000	1.000	.045	25 ft. spool	black
TWHS-2000-25W	01462	2.000	1.000	.045	25 ft. spool	white
TWHS-2000-25C	01463	2.000	1.000	.045	25 ft. spool	clear



# Heat Shrink

THIN WALL AND HEAVY WALL HEAT SHRINK KITS/END CAPS

## THIN WALL HEAT SHRINK KITS



These kits have been carefully constructed to include the most common sizes and types in their category. The cases are made of extremely durable polypropylene and have heat sealed hinges. They provide the ultimate in organization and convenience.

Clearly labeled on the inside lid for easy recognition. Convenient size for easy carrying and easy storing.

DESCRIPTION	CATALOG NO.	NAED NO.	KIT CONTAINS		CARTON QTY.	SHPG. WT. LBS. EACH
	THK	01171	QTY.	CAT. NO.	8	2
Contains the six most common sizes of thin wall heat shrink in 6" lengths. 2:1 shrink ratio. Used for electrical insulation, wire harness bundling, splices and terminations. 600 volt rated.			25	TWHS-125-6		
			25	TWHS-187-6		
			20	TWHS-250-6		
			12	TWHS-375-6		
			7	TWHS-500-6		
		5	TWHS-750-6			

## HEAVY WALL HEAT SHRINK KITS (WITH SEALANT)



DESCRIPTION	CATALOG NO.	NAED NO.	KIT CONTAINS		CARTON QTY.	SHPG. WT. LBS. EACH
	HHK	01170	QTY.	CAT. NO.	8	2
Contains the four most common sizes of heavy wall heat shrink in 6" lengths. 3:1 shrink ratio. Interior is coated with an adhesive which ensures a watertight seal after shrinking. Recommended for almost all applications where tough mechanical protection and a watertight seal are required. 600 volt rated.			8	HWHS-400-6		
			4	HWHS-750-6		
			4	HWHS-110-6		
			2	HWHS-150-6		

## HEAVY WALL HEAT SHRINK DISPLAY BAGS



DESCRIPTION	CATALOG NO.	NAED NO.	BAG CONTAINS		CARTON QTY.
			QTY.	CAT. NO.	
For details regarding heavy wall heat shrink, see page 54	HSB-400	01180	6	HWHS 400-6	10
	HSB-750	01181	6	HWHS 750-6	10
	HSB-110	01182	6	HWHS 110-9	10
	HSB-150	01183	4	HWHS 150-9	10
	HSB-200	01184	3	HWHS 200-12	10
	HSB-M	01185	1	HWHS 400-6	combo pack
			1	HWHS 750-6	
			1	HWHS 100-9	
			1	HWHS 150-9	
			1	HWHS 200-12	

## HEAT-SHRINKABLE END CAPS



Heat-shrinkable end caps provide for efficient and positive cable end sealing. Made of thermally stabilized polyolefin, the interior of the HSC is coated with a meltable sealant to assure a watertight seal, complete insulation, abrasion and corrosion resistance. Seals may be affected over lead, steel, aluminum, copper and all standard plastic and elastomeric insulating materials and conduit. These caps replace greases, tapes,

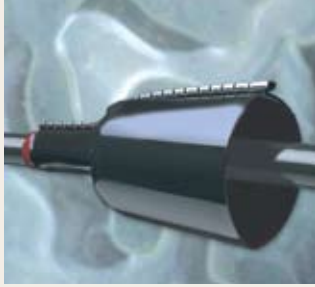
epoxy, encapsulation, or dips. In most sizes, installation may be accomplished in less than one minute.

HSC end sealing caps are qualified to ANSI C119.1-1986 and rated to ICEA electrical withstand test for 1,000 volts. HSC end sealing caps can be used as a live seal for cables carrying up to 1,000 volts. They can also be used as end seals for storing and pulling de-energized cable.

CATALOG NO.	NAED NO.	CONDUCTOR SIZE	PRIMARY INSULATION (1,000v) USE RANGE (INCHES)		GENERAL USE RANGE RECOVERED (INCHES)	
			MAXIMUM	MINIMUM	MAXIMUM	MINIMUM
HSC-30	01464	#12 - #8 AWG	.35	.17	.30	.15
HSC-70	01465	#6 - 3/0 AWG	.71	.31	.70	.30
HSC-125	01466	4/0 AWG - 750 MCM	1.25	.65	1.25	.65
HSC-195	01467	750 - 1500 MCM	1.94	1.08	1.95	1.05
HSC-265	01468	1500 - 2000 MCM	2.58	1.38	2.65	1.30
HSC-370	01469		3.54	1.94	3.70	1.85
HSC-450	01470		4.25	3.02	4.50	2.95



### CABLE REPAIR SLEEVES (WITH STAINLESS STEEL CHANNEL)



CRS sleeves close easily with a permanent locking system that consists of a raised rail profile and a stainless steel channel. These sleeves are made from crosslinked polyolefin which equals or exceeds the material properties of the original cable jacket. CRS sleeves fit a wide range of cable sizes and have unlimited shelf life. Qualified to ANSI C119.1-1986, rated to ICEA electrical withstand test for 1,000 volts and RUS accepted for use as jacket restoration materials on JCN cable.

For use on standard poly- or elastomeric-insulated/jacketed cables or lead-jacketed cables which may include aluminum or steel armoring. Use as insulation for single conductor low-voltage power cable up to 1,000 volts, for jacket repair up to 35 kV or for general sealing applications. These kits do not contain connectors. They include a wrap-around sleeve and stainless steel channel closure. Both can be field-cut for shorter requirements, see 'Reference Dimensions'.

CATALOG NO.	NAED NO.	PRIMARY ELECTRICAL REPAIR 1,000 VOLTS CABLE AND JACKET REPAIR			GENERAL SEALING USE RANGE 0 TO 35 kV INCHES (mm)		SLEEVE LENGTH INCHES (mm)	CARTON QUANTITY
		AWG/MGM	MAXIMUM	MINIMUM	MAXIMUM	MINIMUM		
CRS-120-8	01490	2/0 – 8	.60" (15 mm)	.25" (6 mm)	1.20 (30)	.25 (6)	8 (200)	6
CRS-120-48	01491	2/0 – 8	.60" (15 mm)	.25" (6 mm)	1.20 (30)	.25 (6)	48 (1219)	5
CRS-180-8	01492	400 – 3/0	.95" (24 mm)	.60" (15 mm)	1.80 (46)	.60 (15)	8 (200)	6
CRS-180-48	01493	400 – 3/0	.95" (24 mm)	.60" (15 mm)	1.80 (46)	.60 (15)	48 (1219)	5
CRS-270-48	01494	1000 – 500	1.40" (36 mm)	.95" (24 mm)	2.70 (69)	.95 (24)	48 (1219)	5
CRS-360-48	01495	2000 – 1000	2.00" (51 mm)	1.30" (33 mm)	3.60 (91)	1.30 (33)	48 (1219)	5
CRS-495-48	01496				4.95 (126)	1.65 (42)	48 (1219)	5
CRS-650-48	01497				6.50 (165)	2.50 (64)	48 (1219)	5

Use the 'Primary Electrical Repair' columns above for electrical repair applications (when CRS is in direct contact with the conductor).  
Use the 'General Sealing Use' column for general re-jacketing or sealing applications (when CRS is not in direct contact with the conductor).

### WRAP-AROUND HEAT SHRINK REPAIR SLEEVES TO 35kV - HEAT APPLIED



Use to protect cables in mechanically abusive environments, re-jacket premolded splices, repair and re-jacket LC-shielded and moisture impervious cables, and provide strain relief.

Available in five diameters with 5:1 shrink ratios. For use on standard poly- or elastomeric-insulated/jacketed cables, which may include aluminum or steel armoring.

Provides a moisture-vapor transmission (MVT) barrier for repairing and re-jacketing LC-shield

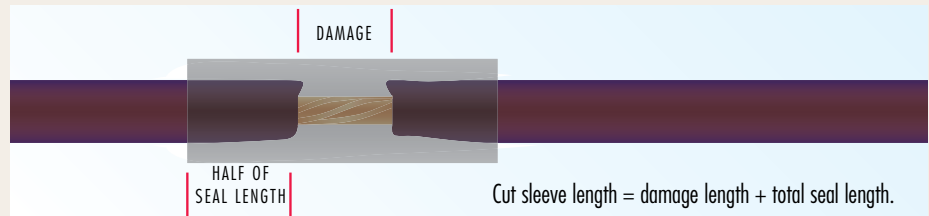
and moisture-impervious cables. WAHSS does not provide electrical insulation.

Select the appropriate catalog number based on the cable use range. Kits contain a wrap-around sleeve, stainless steel channel closure and redundant sealant strips. Sleeve may be field cut for shorter requirements. See 'Reference Dimensions' below. Length tolerance is ±2%.

CATALOG NO.	NAED NO.	DIAMETER USE RANGE INCHES (mm)		SLEEVE LENGTH INCHES (mm)	CARTON QUANTITY
		MAXIMUM	MINIMUM		
WAHSS-150	01485	1.50 (38)	.35 (9)	48 (1219)	3
WAHSS-265	01486	2.65 (67)	.65 (17)	48 (1219)	3
WAHSS-430	01487	4.30 (109)	1.30 (33)	48 (1219)	3
WAHSS-570	01488	5.70 (145)	1.80 (46)	48 (1219)	3
WAHSS-710	01489	7.10 (180)	2.15 (55)	48 (1219)	3

### REFERENCE DIMENSIONS

DAMAGE		TOTAL SEAL LENGTH	
INCHES	(mm)	INCHES	(mm)
< 3	(<76)	3	(76)
3-12	(76-305)	4	(102)
12-24	(305-610)	6	(152)
> 24	(>610)	8	(203)



### CABLE BREAKOUTS



CBB products seal breakouts in multiconductor cables and conduit. These seals are made of tough, crosslinked polyolefin to provide mechanical protection and strain relief.

CBB seals have an adhesive coating on the body and the legs to form a durable watertight seal and conform tightly to conduits and cable jackets.

For use on standard poly- or elastomeric-insulated/jacketed multiconductor cables or

cables in metal or plastic conduits.

Catalog items listed with \* below will accommodate CBB-PLUG, used to seal unused legs of breakouts.

CATALOG NO.	NAED NO.	BODY USE RANGE INCHES (mm)		LEGS USE RANGE INCHES (mm)		CROSS SECTION	CARTON QUANTITY	
		MAXIMUM	MINIMUM	MAXIMUM	MINIMUM			
CBB-2-1-A	01513	1.00 (25)	.35 (9)	.55 (14)	.15 (4)		3	
CBB-2-2-A*	01514	1.70 (43)	1.25 (32)	.75 (19)	.30 (8)		3	
CBB-2-3-A	01515	3.00 (76)	1.65 (42)	1.40 (36)	.65 (17)		3	
CBB-3-1-A	01516	1.35 (34)	.50 (13)	.55 (14)	.20 (5)		3	
CBB-3-2-A*	01517	2.20 (56)	.85 (22)	.90 (23)	.35 (9)		3	
CBB-3-3-A*	01518	2.90 (74)	1.10 (28)	1.25 (32)	.50 (13)		3	
CBB-3-4-A	01519	5.65 (144)	2.35 (60)	2.10 (53)	1.20 (30)		3	
CBB-4-1-A	01520	1.25 (32)	.70 (18)	.45 (11)	.15 (4)			3
CBB-4-2-A*	01521	2.10 (53)	1.00 (25)	.90 (23)	.35 (9)			3
CBB-4-3-A*	01522	3.50 (89)	1.20 (30)	1.40 (36)	.55 (14)	3		
CBB-4-4-A	01523	6.05 (154)	2.35 (60)	1.50 (38)	.90 (23)		3	
CBB-6-1-A*	01524	3.85 (98) *.75 (19)	1.45 (37)	1.50 (38) .30 (8) ground	.60 (15) phase			3
CBB-6-2-A*	01525	5.30 (135)	2.65 (67)	2.20 (56) *.95 (24)	.90 (23) phase .40 (10) ground			3
CBB-PLUG**	01526	for use with catalog items above with asterisk.						6

### HOT-MELT SEALANT SLEEVES

Split sealant tubes used to provide a cable block in multi conductor cables. Use a minimum of one sleeve for every two cable

conductors. Install HWHS or CRS product over HMSS sealant sleeves to melt sealant sleeves and provide cable block.

CATALOG NO.	NAED NO.	DIMENSIONS		NUMBER OF SLEEVES PER CONDUCTOR	CARTON QUANTITY
		LENGTH	INSIDE DIA.		
HMSS-4-40	01540	1.75	.160	#24 – #20 AWG: use 1 sleeve/2 conductors #14 – #12 AWG: use 1 sleeve/conductor	100 per box
HMSS-6-40	01541	1.75	.236	#18 – #16 AWG: use 1 sleeve/2 conductors #10 – #8 AWG: use 1 sleeve/conductor	100 per box

CATALOG NO.	NAED NO.	DESCRIPTION
-------------	----------	-------------



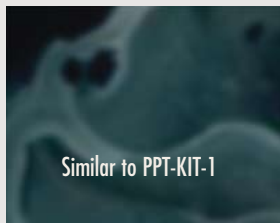
PPT-1 01544

Light, portable propane torch for installing low-voltage products and smaller conductor-sized, high-voltage (up to 15 kV) accessories. Includes hose, handle assembly and regulator for disposable propane cylinder. Operates from disposable 14.1 oz. propane cylinder. Output: approximately 20,000 BTU/hour.



PPT-KIT-1 01545

Seiver-Matic S auto ignite, auto shut-off torch system – 90,000 BTU/hour. Recommended for large heat shrink applications and can be used with all products. Includes handle, 30 foot hose, adjustable regulator and large burner PPT-BURN-3. Supplied in a canvas carrying bag.



PPT-KIT-2 01546

Includes 10 foot hose, PPT-REG-2 adjustable regulator and PPT-BF torch handle and tip. 30,000 BTU/hour.

Similar to PPT-KIT-1



PPT-KIT-3 01547

Primus-Sievert torch kit – 40,000 BTU/hour, for use with disposable propane bottles. Includes 4 foot hose, PPT-H, PPT-BURN-1 and PPT-ADAPTER.



PPT-H 01548

Seiver-Matic S auto ignite, auto shut-off torch handle. Ergonomic design ensures comfortable operation. Adjustable output. Piezo ignition.



PPT-REG-1 01549

Regulator works with torch handle PPT-H above. Adjustable from 14 to 57psi. Fitting POL, UNF 1/16 inch LH.

CATALOG NO.	NAED NO.	DESCRIPTION
-------------	----------	-------------



PPT-BURN-1 01550

Works with torch handle PPT-H. Recommended especially for low-voltage and general purpose products. Tip diameter: 1.0 inch. 20,000 BTU/hour.



PPT-BURN-2 01551

Works with torch handle PPT-H. Recommended especially for low-voltage products and high-voltage terminations and splices. Tip diameter: 1.5 inches. 40,000 BTU/hour.



PPT-BURN-3 01552

Works with torch handle PPT-H. Recommended especially for large jobs and windy conditions. Tip diameter: 2.0 inches. 90,000 BTU/hour.



PPT-BF 01553

BullFinch torch assembly is an auto-ignite, heavy duty torch with comfort grip. Good for use with all products. 30,000 BTU/hour.

ELECTRODE	
PPT-E	01554

Replacement auto-ignite electrode for PPT-BF torch.



PPT-REG-2 01580

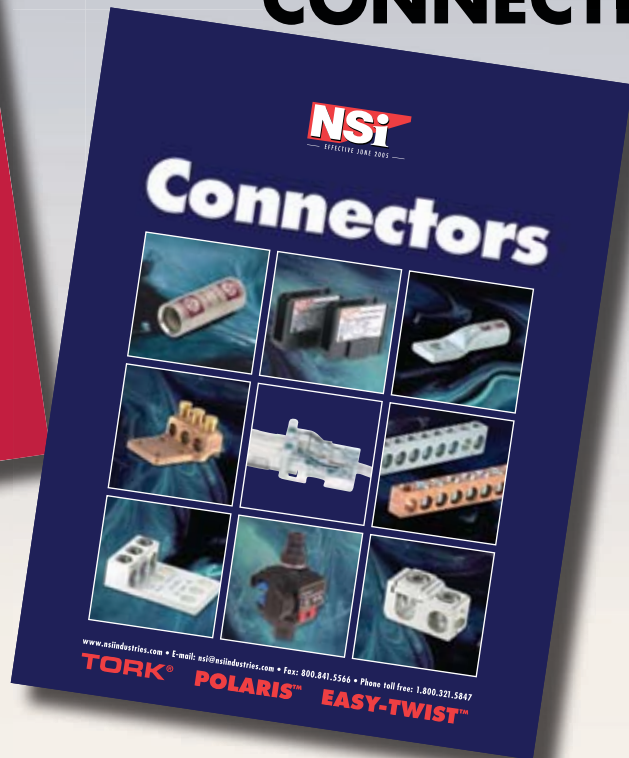
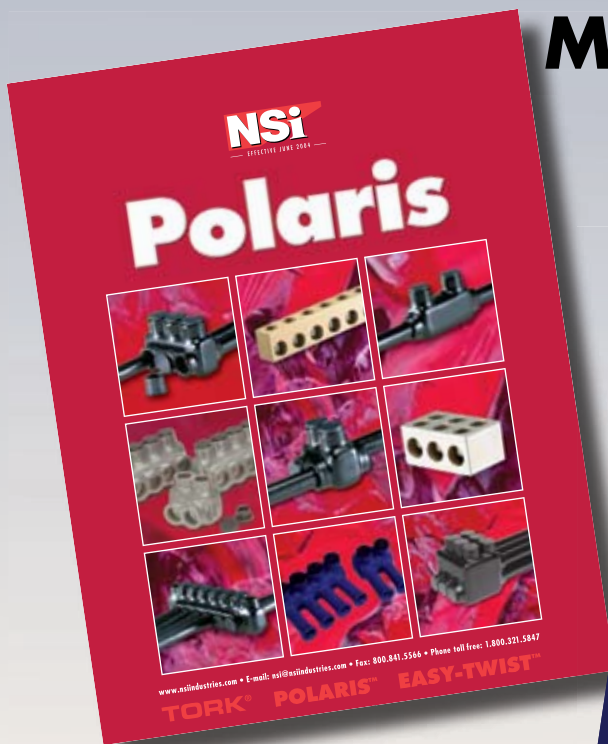
Propane tank regulator with gauge (0 to 30 psi). Can also be used with Primus-Sievert or BullFinch products.



PPT-ADAPTER 01581

Adapts Seiver-Matic S PPT-KIT-1 or PPT-KIT-2 for use with disposable 14.1 oz. propane cylinders. Includes a 4 foot hose and regulator preset at 28 psi.

# MAKING AN **EASY** CONNECTION



## Giving you choices to meet any of your project needs:

- Direct Burial
- Submersible
- Cold-Applied
- Heat Shrink
- Armored Cable
- Multi-Conductor
- Self-Sealing
- Wrap-Around
- "Roll-On" Stub
- Cable Repair
- End Caps
- Stub Connectors

**Thousands of quality products that make  
life in the field easier and safer.**

YOUR REPRESENTATIVE:

