



STANDARD PUMPWIRE SPLICE KIT

INSULATION: **3M™ ITCSN Heat Shrink**
SIZES: **16 AWG - 750MCM**



1.0 BUTT CONNECTORS:

1.1 **Un-insulated Copper Compression Terminals:**

Burndy HYLUG™ terminals are designed for terminating copper conductors in a wide variety of electrical connections including heavy-duty industrial, utility and submersible. The connectors are manufactured from seamless high conductivity electrolytic copper tubing with heavy duty wall thickness which provides maximum conductivity, low resistance and ductility for an excellent combination of electrical and crimp forming properties. The connectors are electro-tin plated to provide a durable, long-lasting corrosion resistance and are UL LISTED 90° C, 600 volts to 35 kV and CSA certified to 600 volts.

1.2 **Product Features:**

- 1.2.1 Internally beveled barrel end: Ideal for 600 volt heavy duty applications. Also may be used at higher voltages up to 35KV.
- 1.2.2 Long barrel length: extruded semi-conducting
- 1.2.3 Four (4) center conductor stops: Provides a center wire stop for proper conductor insertion.

2.0 HEAVY WALL Heat Shrink TUBING:

2.1 3M™ ITCSN Heat Shrink Tubing is designed to provide reliable performance for electrical splices, connections, and terminations, as well as mechanical and environmental protection. ITCSN is fabricated from cross-linked polyolefin. The tubing is highly split resistant and fast shrinking to provide rapid installation. The tubing comes standard with a factory-applied adhesive/sealant. UL 486D — ITCSN Tubing was subjected to the requirements of UL 486D and passed all tests. ITCSN is UL Listed per UL 486D. CSA Certified.

2.2 **Product Features:**

- 2.2.1 Thick walls top resist puncture and abrasion damage.
- 2.2.2 Direct buried or submersible.

- 2.2.3 Complete environmental protection.
- 2.2.4 Shrink ratio as high as 4:1.
- 2.2.5 Resists acids and alkalis.
- 2.2.6 Bonds to a wide variety of substrates.
- 2.2.7 Reliable and proven.
- 2.2.8 UV resistant.

2.3

Description:

Scotch® Linerless Rubber Splicing Tape 130C is a highly conformable, linerless, ethylene rubber (EPR), high-voltage insulating tape, formulated to provide excellent thermal dissipation of splice heat. The tape is designed for use in splicing and terminating wires and cables. Rated up to 90°C continuous operating temperatures and short-term 130°C overload service. The tape has excellent physical and electrical properties, which provide immediate moisture seals and void-free build-ups. This product can be used for low and high-voltage (through 69 kV) applications.

2.4

Product Features:

- 2.4.1 Lineless, self-bonding, primary insulating tape rated through 69 kV.
- 2.4.2 High thermal conductivity.
- 2.4.3 Ethylene propylene base.
- 2.4.4 Excellent, moisture-sealing physical and electrical properties.
- 2.4.5 Designed to insulate splices and terminate cables whose overload temperatures can reach 130°C.
- 2.4.6 Physical and electrical properties unaffected by degree of stretch.
- 2.4.7 Compatible with common, solid dielectric cable insulation
- 2.4.8 Uniform tape unwind from roll.
- 2.4.9 Small roll size (O.D.).
- 2.4.10 Stable over wide application temperature range.
- 2.4.11 Weather resistant.

Standard Splice Kit Instructions



1st Step: Butt spliced together, crimp and solder



2nd Step: Wrap butt splices with self-vulcanizing rubber tape.



3rd Step: Apply Heat Shrink over butt splice and self-vulcanizing rubber tape.



4th Step: Apply self-vulcanizing rubber tape over all exposed cables.



5th Step: Apply Heat Shrink over the self-vulcanizing rubber.

Standard Splice Kit

P/N	Description
272022	14-12-10 AWG Twisted Pump 4 PC Splice Kit
272044	#16-14 AWG/4C Jacketed Copper Splice Kit
272045	14-12-10 AWG 3/C Pump Cable
272046	14-12-10 AWG 3/C W/Ground Jacketed Pump Cable
272030	8/3 TO 8/3 Splice Kit
272050	8/3 TO 8/3 Jacketed Pump Cable
272032	8/3 W/Ground TO 8/3 W/Ground Splice Kit
2720321	#8/4c Copper Not Jacketed Paige Assembled Splice Kit
272051	8/3C W/Ground TO 12/3C W/Ground Jacketed Pump Cable
272052	8/3C W/Ground TO 8/3C W/Ground Jacketed Pump Cable
272055	6/3 TO 6/3 Jacketed Pump Cable Paige Assembled
272035	6/3 TO 6/3 Pump Cable, No Jacket Paige Assembled
272056	6/3 W/Ground TO 6/3 W/Ground Jacketed Pump Cable
2720561	Splice Kit, #6/4C 5KV Heat Shrink Jacketed
272037	6/3 W/Ground TO 6/3 W/Ground Splice Kit
272068	6/3 W/Ground TO 6/3 W/Ground Aluminum
272060	4/3 to 4/3 Jacketed Pump Cable
272040	4/3 TO 4/3 Pump Cable
272061	4/3 W/Ground TO 4/3 W/Ground Jacketed Pump Cable
2720611	Splice Kit, #4/4C 5KV Heat Shrink
272042	4/3 W/Ground TO 4/3 W/Ground Pump Cable
2720601UA	#4/3 W/Ground Non-Shielded, No Armor 5KV
27206024	#4/3 W/Ground Non-Shielded, 5KV Armored
272061A	4/3 W/Ground TO 4/3 W/Ground TYPE MC Armored Cable Splice Kit
2720604	#2/3c to #2/3c W/Ground & Ground CHECK 5KV SHD-GC Cable Splice Kit
272070	2/3 TO 2/3 Cable Splice No Jacket Paige Assembled

272070A	2/3C TO 6/3C W/Ground Jacketed Reducer Splice Kit
2720602	#2/3C W/6 Ground Non-Shielded 5KV
2720602UA	#2/3C W/6 Ground Non-Shielded, No Armor, 5KV
272064	2/3 W/Ground TO 2/3 W/Ground Jacketed Pump Cable
272065	2/3 W/Ground TO 2/3 W/Ground Jacketed Pump Cable
272075	2/3 W/Ground TO 2/3 W/Ground Jacketed Pump Cable
2720602	5KV #2/3C W/Ground CU Splice Kit
2720605	#1 AWG Type GGC 5KV Cable Splice Kit
2720951	#1/0 to #1/0/4c 5KV Heat Shrink Splice Kit
272094	1/0-3 W/Ground TO 1/0-3 W/Ground Jacketed Pump Cable
272071	1/0-3 W/Ground TO 1/0-3 W/Ground Pump Cable
272095	1/0-3 W/Ground TO 1/0-3 W/Ground Jacketed Pump Cable
273000	2/0-3 TO 2/0-3 Jacketed Pump Cable
273000A	2/0-3 W/6 Ground TO #2/3 W/6 Ground Jacketed Pump Cable
273000G	2/0-3 W/Ground TO 2/0-3 W/Ground Jacketed Pump Cable
272072	2/0-3 W/Ground TO 2/0-3 W/Ground Pump Cable
273005G	3/0-3 W/Ground TO 3/0-3 W/Ground Jacketed Pump Cable
272073	3/0-3 W/Ground TO 3/0-3 W/Ground Pump Cable
272074	4/0-3 W/Ground TO 4/0-3 W/Ground Pump Cable
273010	4/0-3/C TO 4/0-3/C Jacketed Pump Cable
273010G	4/0-3/C W/Ground TO 4/0-3C W/Ground Jacketed Pump Cable
273053	250MCM-3 W/Ground Pump Cable
272080	250MCM-3 W/Ground TO 250 MCM W/Ground No Jacket
272081	350 MCM W/Ground TO 350 MCM W/Ground - Purchased
272081N	350 MCM W/Ground TO 350 MCM W/Ground Jacketed - Nebraska Made
273001G	#2/0AWG-3c, #4 AWG-2c, #8-1c Splice Kit
273056	500MCM-3 W/Ground TO 500MCM-3 W/Ground Jacketed PU. Cable
2730551	750MCM TO 750 MCM, Jacketed Pump Cable