



# ENGINEERED PRODUCTS CO.

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SPLICE KITS / HEAT SHRINK TUBING

SPLICE KITS / HEAT SHRINK TUBING  
PRODUCT DATA SHEET

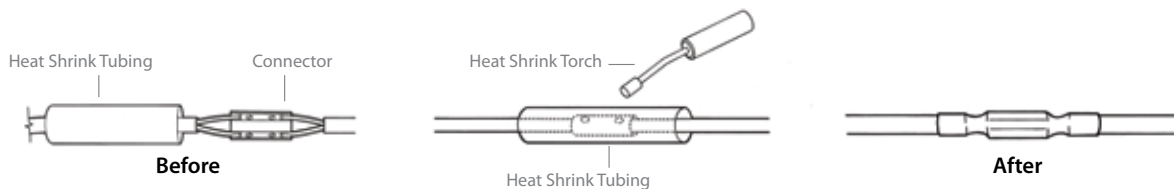
## UF CABLE SPLICE KIT - FOR DIRECT BURIAL

- UL Listed for direct burial. File Number: E123896.
- Labor Savings! Obsoletes messy, two part Splice Kits.
- Accommodates UF Cables sizes: 14/3 without ground minimum, 8/3 without ground maximum.
- 600 Volts maximum, 105°C temperature rating.
- Meets the requirements of the 2011 National Electrical Code: Articles 110.14 (B), 300.5 (E) and 300.50 (D).



The UF Cable Splice Kit includes one 4-position mechanical connector and one piece of heat shrink tubing to splice and insulate 14 AWG to 8 AWG UF Cable.

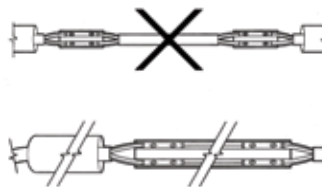
By using Thick Wall Heat Shrink Tubing with sealant and the mechanical connector, the repair of UF Cable is a quick, easy and reliable process. No epoxies, tape or separate mastics is required.



CATALOG NUMBER	UPC NUMBER	DESCRIPTION	ORDER UNIT	UNIT QTY	UNIT PKG	UNITS/ CASE	TL CASE QTY	MIN ORDER QTY	MM REQ	SHIP Wt (LBS)
UFC2B	10711	UF Cable Splice Kit - for Direct Burial: Accommodates Cable Sizes - 14/3 without Ground (minimum), 8/3 without Ground (maximum)	EA	1	BG	24	24	1	No	6

## UF STRETCHER KIT - FOR DIRECT BURIAL

- UL Listed for direct burial. File Number: E123896.
- Labor Savings! Includes one 11.5" mechanical connector that eliminates the need to use two UF Cable Splice Kits (P/N: UFC2B) and a short piece of cable when repairing a longer section of damaged UF Cable.
- 600 Volts maximum, 105°C temperature rating.
- Meets the requirements of the 2011 National Electrical Code: Articles 110.14 (B), 300.5 (E) and 300.50 (D).



Simplify UF Cable repairs after a trencher or backhoe has damaged or destroyed a 7" to 10" section of UF Cable. Utilize EPCO's Thick Wall Heat Shrink Tubing with sealant to make a quick and reliable repair. Eliminates epoxies, tapes or separate mastics and creates a waterproof splice. The kit includes one 4-position 11.5" connector and one piece of heat shrink tubing. Designed to splice and insulate 14 AWG to 8 AWG UF Cable.

CATALOG NUMBER	UPC NUMBER	DESCRIPTION	ORDER UNIT	UNIT QTY	UNIT PKG	UNITS/ CASE	TL CASE QTY	MIN ORDER QTY	MM REQ	SHIP Wt (LBS)
UFS2	10714	UF Stretcher Kit - for Direct Burial: Accommodates Cable Sizes - 14/3 without Ground (minimum), 8/3 without Ground (maximum)	EA	1	BG	12	12	1	No	12

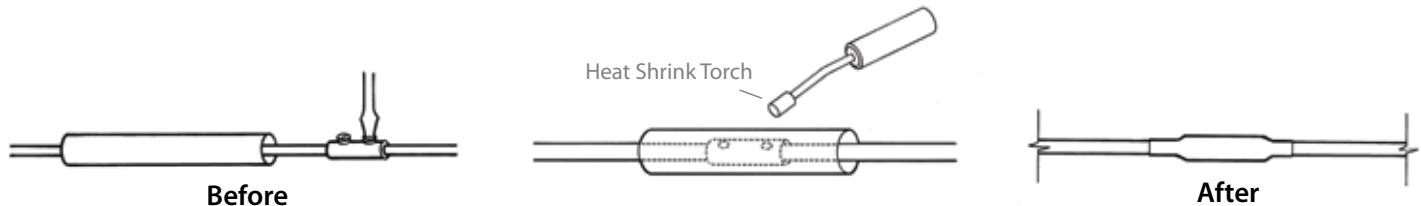
## COPPER BUTT SPLICE KITS

- UL Listed. File Number: E103228.
- Meets the requirements of the 2011 National Electrical Code: Articles 110.14 (B), 300.5 (E) and 300.50 (D).
- Labor Savings! Designed to simplify splicing discreet copper conductors.
- Sizes: 14 AWG to 2 AWG.
- BSK series is rated for 600 Volts maximum, 105°C temperature rating.



BSK Splice Kits include a mechanical butt splice connector and an 8-inch piece of thick wall heat shrink tubing to create a fully insulated butt splice.

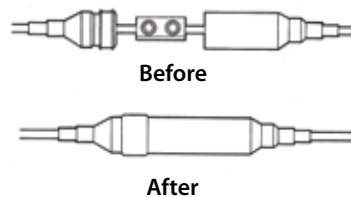
The BS Splice Kits use the same mechanical butt splice connector independent of the heat shrink tubing and is available in bulk quantities. These kits are approximately 1/3 the cost of the equivalent Dual Rated Butt Splice Kits.



CATALOG NUMBER	UPC NUMBER	DESCRIPTION	ORDER UNIT	UNIT QTY	UNIT PKG	UNITS/CASE	TL CASE QTY	MIN ORDER QTY	MM REQ	SHIP WT (LBS)
BS1	10713	Bulk Packaged Butt Splice Connectors: 8 AWG to 14 AWG	EA	100	BG	0	0	1	No	8
BS2	10707	Bulk Packaged Butt Splice Connectors: 2 AWG to 8 AWG	EA	100	BG	0	0	1	No	19
BSK1	10705	Butt Splice Kit: 1 Butt Splice Connector - 8 AWG to 14 AWG; 1 Heat Shrink Tube - 14 AWG to 10 AWG	EA	1	BG	24	24	1	No	2
BSK2	10706	Butt Splice Kit: 3 Butt Splice Connectors - 8 AWG to 14 AWG; 3 Heat Shrink Tubes - 14 AWG to 10 AWG	EA	1	BG	24	24	1	No	2
BSK3	10708	Butt Splice Kit: 1 Butt Splice Connector - 2 AWG to 8 AWG; 1 Heat Shrink Tube - 6 AWG to 2 AWG	EA	1	BG	24	24	1	No	2
BSK4	10709	Butt Splice Kit: - 3 Butt Splice Connectors - 2 AWG to 8 AWG; 3 Heat Shrink Tubes - 6 AWG to 2 AWG	EA	1	BG	24	24	1	No	2

## SELF SEALING UF SPLICE KIT - FOR DIRECT BURIAL

- UL Listed for direct burial. File Number: E123896.
- Labor Savings! Simplifies the assembly of a waterproof splice.
- Fully waterproof, submersible and re-enterable.
- Eliminates use of epoxies, tape or mastics.
- 600 Volts maximum, 105°C temperature rating.
- Meets the requirements of the 2011 National Electrical Code: Articles 110.14 (B), 300.5 (E) and 300.50 (D).

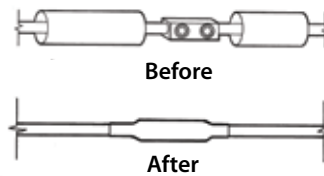


The uniquely designed interference fit cover enables direct burial of UF Cable to be a quick and reliable process. The kit includes a mechanical connector, silicone lubricant and the interference fit covers. Accommodates 14 AWG to 8 AWG wire sizes.

CATALOG NUMBER	UPC NUMBER	DESCRIPTION	ORDER UNIT	UNIT QTY	UNIT PKG	UNITS/CASE	TL CASE QTY	MIN ORDER QTY	MM REQ	SHIP WT (LBS)
UFC3/4	10703	Self Sealing UF Splice Kit - for Direct Burial: Accommodates Cable Sizes - 14/3 without Ground (minimum), 8/3 with Ground (maximum)	EA	1	BG	24	24	1	No	10

## DUAL RATED BUTT SPLICE KITS - FOR DIRECT BURIAL

- Eliminates expensive crimping tools when splicing aluminum or copper conductors for direct burial.
- UL Listed Components.
- 600 Volts maximum, 105°C temperature rating.
- For use with Aluminum and Copper conductors.
- Meets the requirements of the 2011 National Electrical Code: Articles 110.14 (B), 300.5 (E) and 300.50 (D).



The kits include matched thick wall heat shrink tubing (2 pieces) and one mechanical connector. Popular splicing applications include repair and/or extending type USE Cable.

CATALOG NUMBER	UPC NUMBER	DESCRIPTION	ORDER UNIT	UNIT QTY	UNIT PKG	UNITS/ CASE	TL CASE QTY	MIN ORDER QTY	MM REQ	SHIP Wt (LBS)
DRBSK	11499	Dual Rated Butt Splice Kit: Dual Rated Connectors - 2 AWG to 14 AWG; 2 Heat Shrink Tubes - 6 AWG to 2 AWG	EA	1	BG	24	24	1	No	10
DRBSK1	11500	Dual Rated Butt Splice Kit: Dual Rated Connectors - 14 AWG to 1/0 AWG; 2 Heat Shrink Tubes - 1 AWG to 3/0 AWG	EA	1	BG	24	24	1	No	10
DRBSK3	11501	Dual Rated Butt Splice Kit: Dual Rated Connectors - 250 MCM to 6 AWG; 2 Heat Shrink Tubes - 2/0 AWG to 350 MCM	EA	1	BG	24	24	1	No	10

## THICK WALL HEAT SHRINK TUBING - FOR DIRECT BURIAL

- UL Listed for direct burial. File Number: E123896.
- Meets the requirements of the 2011 National Electrical Code: Articles 110.14 (B), 300.5 (E) and 300.50 (D).
- Installs and shrinks easily for labor savings. Most effective when insulating over large transitions.
- 3:1 Shrink ratio enables wider cable range and fewer tubing sizes.
- Excellent abrasion, corrosion and environmental resistance properties.
- UV and fungi resistant.

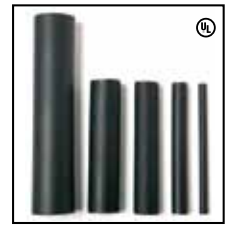


Thick Wall Heat Shrink Tubing (HST) is used to dielectrically insulate and encapsulate electrical connections. The HST internal coating has an adhesive and sealant that melts when the tubing is heated to provide a moisture and soil resistant seal. The standard color is black.

CATALOG NUMBER	UPC NUMBER	DESCRIPTION	ORDER UNIT	UNIT QTY	UNIT PKG	UNITS/ CASE	TL CASE QTY	MIN ORDER QTY	MM REQ	SHIP Wt (LBS)
HST1410	10170	Heat Shrink Tubing: Conductor Size - 14 AWG to 10 AWG, Shrink Range - .36 Inch to .12 Inch; Includes Six (6) 8 Inch Pieces per Package	EA	6	BG	12	72	6	Yes	5
HST84	10171	Heat Shrink Tubing: Conductor Size - 6 AWG to 2 AWG, Shrink Range - .75 Inch to .24 Inch; Includes Six (6) 8 Inch Pieces per Package	EA	6	BG	12	72	6	Yes	7
HST23/0	10172	Heat Shrink Tubing: Conductor Size - 1/0 AWG to 3/0 AWG, Shrink Range - 1.10 Inch to .35 Inch; Includes Six (6) 8 Inch Pieces per Package	EA	6	BG	12	72	6	Yes	9
HST2/0300	10173	Heat Shrink Tubing: Conductor Size - 2/0 AWG to 350 MCM, Shrink Range - 1.50 Inch to .47 Inch; Includes Four (4) 8 Inch Pieces per Package	EA	6	BG	12	72	6	Yes	10
HST300650	10174	Heat Shrink Tubing: Conductor Size - 250 MCM to 500 MCM, Shrink Range - 2.0 Inch to .63 Inch; Includes Three (3) 12 Inch Pieces per Package	EA	6	BG	12	72	6	Yes	13
HST14650	10175	Heat Shrink Tubing Multi-Pak: 14 AWG to 500 MCM, Includes Five (5) 8 Inch Pieces per Package of Part Numbers HST1410, HST84, HST23/0, HST2/0300 and HST300650	EA	6	BG	12	72	6	Yes	9

# BULK THICK WALL HEAT SHRINK TUBING - FOR DIRECT BURIAL

EPCO's Bulk Heat Shrink Tubing is used for direct burial and is the same quality tubing as our popular packaged HST Thick Wall Tubing. Available in cut lengths from 2" up to 48".



Please specify the length by adding the correct length in inches to the end of the part number.

Example: One 13" piece of 14 AWG to 10 AWG tubing; E00-902-013.

CATALOG NUMBER	UPC NUMBER	DESCRIPTION	ORDER UNIT	UNIT QTY	UNIT PKG	UNITS/ CASE	TL CASE QTY	MIN ORDER QTY	MM REQ	SHIP W/T (LBS)
<b>Conductor Size: 1 AWG / 3/0 AWG</b>										
E00-901-0__*	n/a	Thick Wall Tubing	EA	1	BN	0	0	1	No	1
E00-901-005	14028	Thick Wall Tubing: One (1) 5 Inch Piece	EA	1	BN	0	0	1	No	1
E00-901-006	14028	Thick Wall Tubing: One (1) 6 Inch Piece	EA	1	BN	0	0	1	No	1
E00-901-008	14002	Thick Wall Tubing: One (1) 8 Inch Piece	EA	1	BN	0	0	1	No	1
E00-901-009	14011	Thick Wall Tubing: One (1) 9 Inch Piece	EA	1	BN	0	0	1	No	1
E00-901-010	14008	Thick Wall Tubing: One (1) 10 Inch Piece	EA	1	BN	0	0	1	No	1
E00-901-012	14029	Thick Wall Tubing: One (1) 12 Inch Piece	EA	1	BN	0	0	1	No	1
E00-901-024	14030	Thick Wall Tubing: One (1) 24 Inch Piece	EA	1	BN	0	0	1	No	1
E00-901-036	14029	Thick Wall Tubing: One (1) 36 Inch Piece	EA	1	BN	0	0	1	No	1
E00-901-048	14031	Thick Wall Tubing: One (1) 48 Inch Piece	EA	1	BN	0	0	1	No	1
<b>Conductor Size: 14 AWG / 10 AWG</b>										
E00-902-0__*	n/a	Thick Wall Tubing	EA	1	BN	0	0	1	No	1
E00-902-006	14032	Thick Wall Tubing: One (1) 6 Inch Piece	EA	1	BN	0	0	1	No	1
E00-902-008	14000	Thick Wall Tubing: One (1) 8 Inch Piece	EA	1	BN	0	0	1	No	1
E00-902-009	14010	Thick Wall Tubing: One (1) 9 Inch Piece	EA	1	BN	0	0	1	No	1
E00-902-012	14033	Thick Wall Tubing: One (1) 12 Inch Piece	EA	1	BN	0	0	1	No	1
E00-902-024	14034	Thick Wall Tubing: One (1) 24 Inch Piece	EA	1	BN	0	0	1	No	1
E00-902-048	14035	Thick Wall Tubing: One (1) 48 Inch Piece	EA	1	BN	0	0	1	No	1
<b>Conductor Size: 6 AWG / 2 AWG</b>										
E00-903-0__*	n/a	Thick Wall Tubing	EA	1	BN	0	0	1	No	1
E00-903-006	14036	Thick Wall Tubing: One (1) 6 Inch Piece	EA	1	BN	0	0	1	No	1
E00-903-008	14001	Thick Wall Tubing: One (1) 8 Inch Piece	EA	1	BN	0	0	1	No	1
E00-903-009	14005	Thick Wall Tubing: One (1) 9 Inch Piece	EA	1	BN	0	0	1	No	1
E00-903-010	14009	Thick Wall Tubing: One (1) 10 Inch Piece	EA	1	BN	0	0	1	No	1
E00-903-012	14037	Thick Wall Tubing: One (1) 12 Inch Piece	EA	1	BN	0	0	1	No	1
E00-903-024	14038	Thick Wall Tubing: One (1) 24 Inch Piece	EA	1	BN	0	0	1	No	1
E00-903-048	14039	Thick Wall Tubing: One (1) 48 Inch Piece	EA	1	BN	0	0	1	No	1
<b>Conductor Size: 2/0 AWG / 350 MCM</b>										
E00-904-0__*	n/a	Thick Wall Tubing	EA	1	BN	0	0	1	No	1
E00-904-006	14040	Thick Wall Tubing: One (1) 6 Inch Piece	EA	1	BN	0	0	1	No	1
E00-904-008	14041	Thick Wall Tubing: One (1) 8 Inch Piece	EA	1	BN	0	0	1	No	1
E00-904-009	14030	Thick Wall Tubing: One (1) 9 Inch Piece	EA	1	BN	0	0	1	No	1
E00-904-012	14042	Thick Wall Tubing: One (1) 12 Inch Piece	EA	1	BN	0	0	1	No	1
E00-904-024	14043	Thick Wall Tubing: One (1) 24 Inch Piece	EA	1	BN	0	0	1	No	1
E00-904-030	14031	Thick Wall Tubing: One (1) 30 Inch Piece	EA	1	BN	0	0	1	No	1
E00-904-048	14044	Thick Wall Tubing: One (1) 48 Inch Piece	EA	1	BN	0	0	1	No	1
<b>Conductor Size: 250 MCM / 500 MCM</b>										
E00-905-0__*	n/a	Thick Wall Tubing	EA	1	BN	0	0	1	No	1
E00-905-006	14045	Thick Wall Tubing: One (1) 6 Inch Piece	EA	1	BN	0	0	1	No	1
E00-905-008	14046	Thick Wall Tubing: One (1) 8 Inch Piece	EA	1	BN	0	0	1	No	1
E00-905-009	14032	Thick Wall Tubing: One (1) 9 Inch Piece	EA	1	BN	0	0	1	No	1
E00-905-012	14047	Thick Wall Tubing: One (1) 12 Inch Piece	EA	1	BN	0	0	1	No	1
E00-905-024	14048	Thick Wall Tubing: One (1) 24 Inch Piece	EA	1	BN	0	0	1	No	1
E00-905-048	14050	Thick Wall Tubing: One (1) 48 Inch Piece	EA	1	BN	0	0	1	No	1

\*Note: Priced per inch. Please specify the length by adding the correct length in inches to the end of the part number. For example: One 13" piece of 14 AWG tubing; E00-902-013.

Key: Order Unit: The Unit to be ordered; Unit Quantity: Number of same pieces in each Unit; Units per Case: Unit Packages contained in the case; TL CASE = Total Case Quantity: The number of similar items in the Unit Package; Unit Package: The type of Packaging; MIN ORDER = Minimum Order Quantity: The smallest Unit to order; MM REQ = Multiple Minimum Order Required: Must order multiples of Unit quantities; SHIP WT = Shipping Weight: Total weight of the Unit Package; Order Unit / Packaging Types: BG = Bag; BRL = Barrel; BX = Box; BN = Bulk; LS = Loose; PKG = Package; RL = Roll; EA = Each; Package; LB = Pound; C = Hundred; M = Thousand

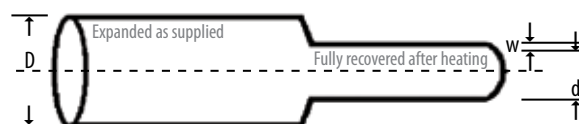
# HEAT SHRINK TORCH

Recommended for shrinking Thick Wall Heat Shrink Tubing and for use with all EPCO Splice Kits. The trigger-start ignition starts fast and easy. Features a fully adjustable regulator valve and air inlet port for adjustable flame settings. Connects directly to a standard 14.1 propane tank (available locally).



CATALOG NUMBER	UPC NUMBER	DESCRIPTION	ORDER UNIT	UNIT QTY	UNIT PKG	UNITS/ CASE	TL CASE QTY	MIN ORDER QTY	MM REQ	SHIP WT (LBS)
HST-T1	12200	Heat Shrink Torch	EA	1	BX	20	20	1	No	22

Refer to the table shown below to select the Heat Shrink Tubing size which will shrink to fit snugly over the component to be covered. If recovery is restricted the resulting wall thickness will be less than specified.



## DIMENSIONS

Part Number	Expanded		Recovered				Application Range for General Use		600 / 1000 V Single Conductor Size
	Internal Diameter (MIN) D		Internal Diameter (MAX) d		Wall Thickness (NOM) W		Inches	MM	AWG / MCM
	Inches	MM	Inches	MM	Inches	MM	Inches	MM	
HST1410	0.35	8.9	0.12	3.0	0.7	1.8	.15 - .3	3.5 - 8	#14 - #10
HST84	0.75	19.1	0.24	6.1	0.12	3.0	.25 - .65	6.5 - 16.5	#6 - #2
HST23/0	1.10	27.9	0.35	8.9	0.12	3.0	.4 - .95	10 / 24	#1 - 3/0
HST2/0300	1.50	38.1	0.47	11.9	0.14	3.6	.5 - 1.4	13 - 35	2/0 - 350
HST300650	2.0	50.8	0.63	16	0.14	3.6	.7 - 1.75	17.5 - 44	250 - 500

## SPECIFICATIONS

Property	Typical Performance
<b>Physical</b>	
Tensile Strength	2100 psi (14.5MPa)
Specific Gravity	1.1
Heat Shock (4 hrs at 225°C)	No cracking or flowing
Low Temperature Flexibility (4 hrs at -55°C)	No cracking
<b>Electrical</b>	
Dielectric Strength	500 V/Mil (20kV/mm)
Dielectric Voltage Withstand (2500 V, 60 Hz, 1 min.)	No breakdown, 24kV-1 min, 15kV-4 hrs
Volume Resistivity	10 <sup>16</sup> ohm-cm
<b>Chemical</b>	
Fluid Resistance	Good to Excellent
Copper Corrosion	No corrosion
Water Absorption	0.1%
Fungus Resistance	No growth
<b>Adhesive</b>	
Adhesive softening point	92°C +/- 5°C
Adhesive Lap Shear	125 psi (0.875 MPa)
Adhesive Blocking (30°C)	No blocking
Water Penetration	No penetration after 236 hrs (min.) of continuous immersion

Key: Order Unit: The Unit to be ordered; Unit Quantity: Number of same pieces in each Unit; Units per Case: Unit Packages contained in the case; TL Case = Total Case Quantity: The number of similar items in the Unit Package; Unit Package: The type of Packaging; Min Order = Minimum Order Quantity: The smallest Unit to order; MM Req = Multiple Minimum Order Required: Must order multiples of Unit the quantities; SHIP WT = Shipping Weight: Total weight of the Unit Package; Order Unit / Packaging Types: BG = Bag; BRL = Barrel; BX = Box; BN = Bulk; LS = Loose; PKG = Package; RL = Roll; EA = Each; Package; LB = Pound; C = Hundred; M = Thousand

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