

# 1000V - TECK CABLE SPLICE KIT INSTRUCTIONS

(FOR 3 OR 4 CONDUCTOR CABLES)

## CABLE RANGE

			Over Ground	Over Phase	Over Inr. Jacket	Over Out Jacket
Cond Size			Dimensions in Inches			
TS 14-4	#14--#4	Min	0.07	0.165	0.47	0.78
		Max	0.141	0.355	0.92	1.26
TS 2-3/0	#2--3/0	Min	0.178	0.415	1.13	1.53
		Max	0.225	0.63	1.65	2.1
TS 4/0-400	4/0--400	Min	0.225	0.69	1.85	2.28
		Max	0.252	0.92	2.32	2.75
TS 500-1000	500-1000	500	0.285	1.005	2.26	2.69
		750	0.285	1.22	2.64	3.07
		1000	0.325	1.375	3.02	3.47

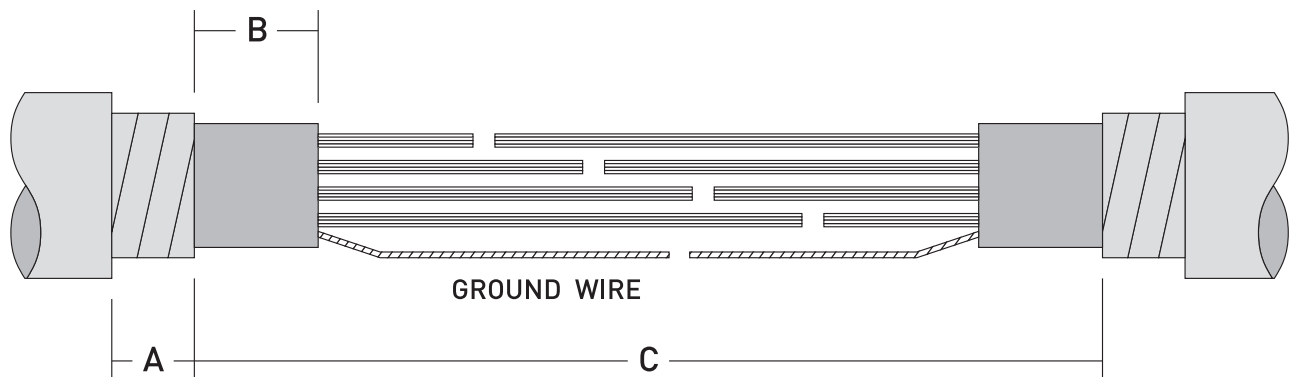
## EACH KIT CONTAINS

- 4 Connector Insulating Sleeve
- 1 Ground connector insulating sleeve
- 1 Inner Jacket Insulating Sleeve
- 1 Outer Wraparound Jacket Insulating Sleeve
- 2 Spring Ground Clamps
- 1 Roll Tinned Copper Braid
- 1 Roll of Tinned Copper Mesh

## INSTRUCTIONS

- 1).
  - Remove outer coverings , overlap ends, and cut ends square
  - Cut back insulations, etc to dimensions shown below.
  - Allow for staggering of cable splice sleeves

	MAX CON LENGTH	DIM 'A'	DIM 'B'	DIM 'C'	INNER JACKET	OUTER JACKET
TS 14-4	4"	1"	1 1/2"	18"	18"	24"
TS 2-3/0	4"	1"	1 1/2"	24"	24"	30"
TS 4/0-400	5"	1"	1 1/2"	30"	30"	36"
TS 500-1000	7"	1"	1 1/2"	36"	36"	44"

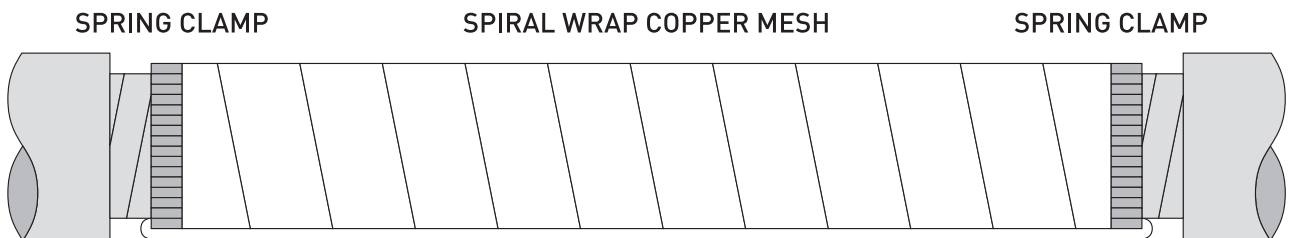


- 2). • Place individual insulating, heat shrink, sleeves onto cable and conductors, including Ground Wire, **BEFORE CRIMPING** connectors
- 3). • Crimp connector using appropriate Tool and remove any sharp edges. Shrink down Phase Wire Insulating Sleeve over connector.
- 4). • Place small dia tubing over ground wire and shrink down until tight.
- 5). • Place the inner jacket sleeve over the splice and onto the two exposed inner jacket ends  
• Shrink the sleeve down until tight



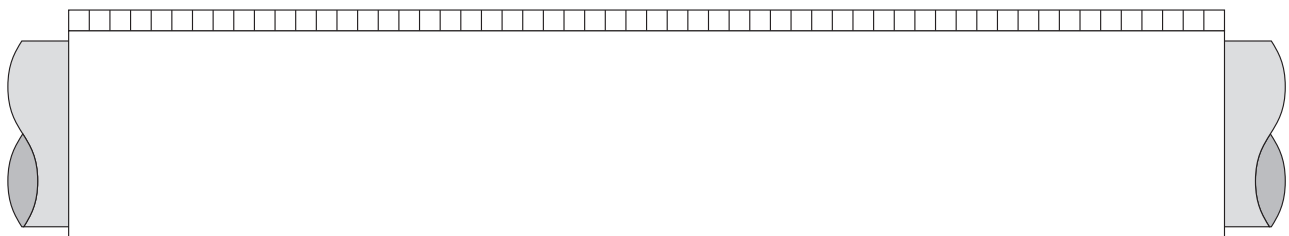
SHRINK DOWN INNER SLEEVE

- 6). • Spiral wrap copper mesh, starting at one end of the armour overlapping and tightly wrapping around splice, secure to armour both ends with spring clamps.
- 7). • Unwrap spring clamp 4 wraps and place one end of ground braid facing away from splice and rewrap spring clamp twice.  
• Fold back braid across splice and wrap with clamp.  
• Continue to other end of splice and repeat process.



GROUND BRAID

- 8). • Clean conductor outer jacket on both ends.  
• Centre sleeve around splice, gather both reinforcing ribs and slide on channel.  
• Start shrinking in the centre opposite channel working around towards each ends.  
• Continue heating around channel area until adhesive flows out of both ends  
• DO NOT HEAT CHANNEL AREA WITH HIGH FLAME.



CENTRE OUTER JACKET AND SHRINK DOWN

- 9). • Splice is now complete, and when cool, can be tested before putting into service