

# 1000V - TECK CABLE SPLICE KIT INSTRUCTIONS

(FOR 3 OR 4 CONDUCTOR CABLES)

## CABLE RANGE

	Cond Size		Over Ground	Over Phase	Over Inr. Jacket	Over Out Jacket
			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--2/0	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

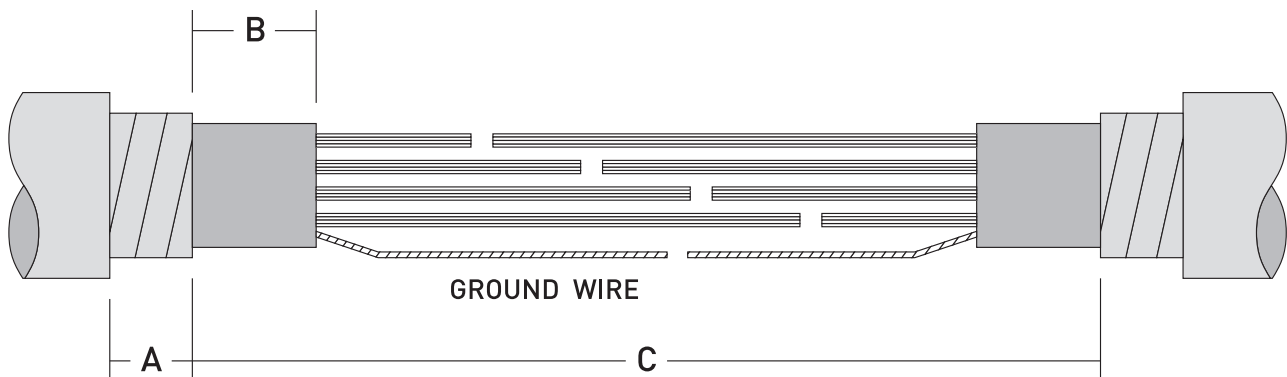
## EACH KIT CONTAINS

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

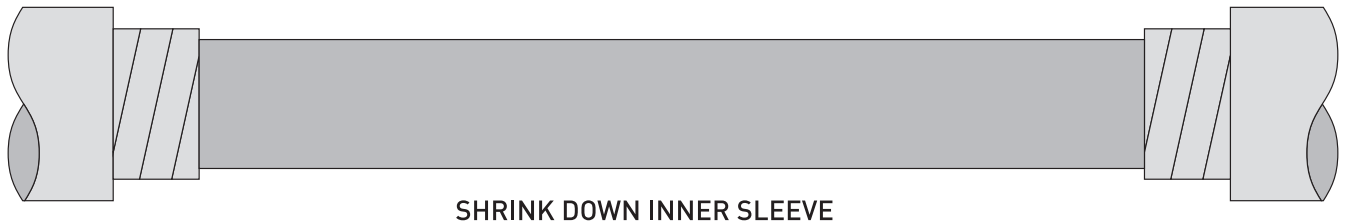
## INSTRUCTIONS

- 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

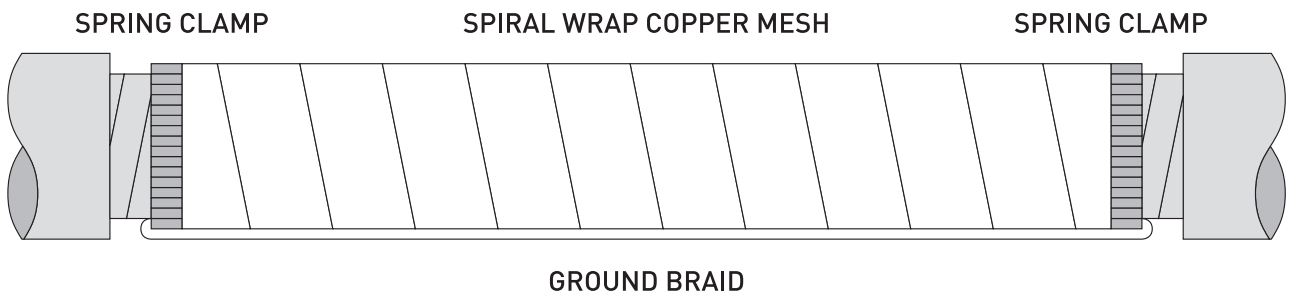
	MAX CON LENGTH	DIM 'A'	DIM 'B'	DIM 'C'	INNER JACKET	OUTER JACKET
TS 14-4	4"	1"	1 1/2"	18"	18"	24"
TS 2-3/0	4"	1"	1 1/2"	24"	24"	30"
TS 4/0-400	5"	1"	1 1/2"	30"	30"	36"
TS 500-1000	7"	1"	1 1/2"	36"	36"	44"



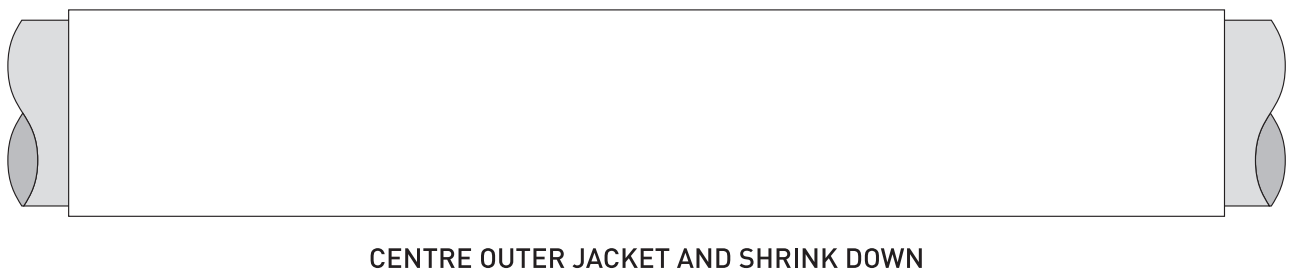
- 2).
  - Place individual insulating, heat shrink, sleeves onto cable and conductors, including Ground Wire, **BEFORE CRIMPING** connectors
  - After crimping, wrap each crimp connector with red mastic
- 3).
  - Slide red conductor heat shrink sleeves over crimp area and shrink down using a soft flame propane torch
- 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



- 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.



- 8).
  - Clean outer jacket on both sides and center sleeve over splice and shrink down



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