

# CJT 90 SERIES

INSULATE  
SEAL  
PROTECT

## HEAT SHRINK MEDIUM VOLTAGE JOINTS

THE CJT 90 SERIES JOINTS ARE TRIFURCATING HEAT SHRINK JOINTS FOR SPLICING THREE CONDUCTOR 15 kV AND 25 kV JACKETED OR UNJACKETED PAPER AND LEAD LAMINATED DIELECTRIC CABLE (PILC OR VCLC) TO THREE EACH, SINGLE CONDUCTOR JACKETED OR UNJACKETED PAPER AND LEAD LAMINATED DIELECTRIC (PILC OR VCLC) CABLES

## FEATURES AND BENEFITS

- Fast, consistent installation means lower installed costs
- No lead wiping required for positive oil stops
- Installation environment: use of torch adds flexibility to cable preparation in any climate
- Heat activated seals ensure maximum protection against moisture ingress
- Reinforced wraparound sleeve with aluminum foil liner provides rugged protection and a moisture vapour barrier
- Wide cable ranges reduce inventory
- Pressure tested for continuous operation at 15 psig at 110°C
- Slim profile allows installation in confined areas

## STANDARDS

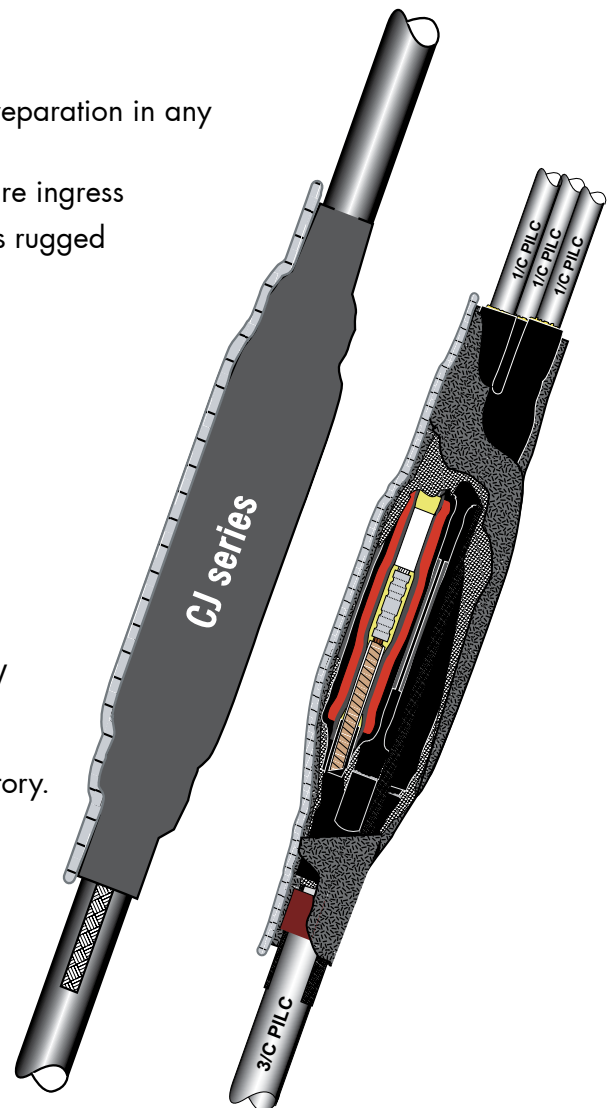
- Rated to IEEE 404-2000

## TESTS REPORTS

CJT 90 series joint qualification is based on the testing of the 15 kV trifurcating transition joints where the oil stop was proven, and the dielectric tests in the 15 kV and 25 kV single conductor joint tests respectively, as tested to IEEE 404-2000 at an independent laboratory.

Test reports are available as follows:

- CJT 1580 series: HVS031104
- CJ 1580 series: HVS031103
- CJ 2580 series: HVS040423



## DIMENSIONS

ORDER NUMBER	CONDUCTOR SIZE AWG/KCMIL	INSULATION DIAMETER 1/C PILC RANGE IN	JACKET DIAMETER 1/C PILC RANGE IN	CONNECTOR DIMENSIONS (MAX.)		INSTALLED LENGTH (NOM.) IN
				O.D. BOTH	LENGTH	
				IN	IN	

### 15 kV, 3/C PILC TO 3-1/C PILC TRIFURCATING JOINT (165 - 220 MILS INSULATION)

CJT 1591	#4 - 4/0	0.55 - 0.90	0.80 - 1.85	1.05	4.50	40.0
CJT 1592	4/0 - 350	0.80 - 1.20	0.90 - 1.85	1.25	5.50	40.0
CJT 1593	400 - 750	1.00 - 1.30	1.10 - 2.15	1.75	7.00	48.0
CJT 1594	750 - 1000	1.15 - 1.50	1.10 - 2.15	1.85	8.00	48.0

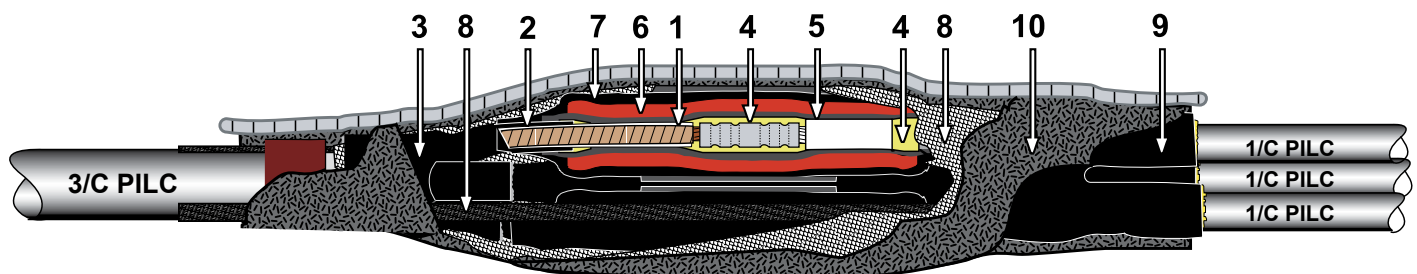
### 25 kV, 3/C PILC TO 3-1/C PILC TRIFURCATING JOINT (260 - 320 MILS INSULATION)

CJT 2591	#1 - 300	0.80 - 1.25	0.90 - 1.85	1.25	5.50	40.0
CJT 2592	350 - 500	1.00 - 1.45	1.10 - 2.15	1.60	7.00	48.0
CJT 2593	600 - 1000	1.35 - 1.70	1.10 - 2.15	1.85	8.00	48.0

## ORDERING

- Find the cable's voltage class and conductor size(s) to be spliced. Select the kit part number that covers the conductor size range. Confirm the dimensional data; particularly when the conductor size is at the extremes of the range. The overlap in size ranges allows for size transitions when splicing different cable sizes. The determining factors for selection are that the minimum and maximum dimensions for the primary insulation and connector dimensions are met and that the jacket diameter(s) maximums are not exceeded.
- For size transitions outside the listed range consult the factory.

## 15 - 25 kV, 3/C PAPER-LEAD TO 3-1/C PAPER-LEAD JOINTS



- |   |                                      |    |   |
|---|--------------------------------------|----|---|
| 1 | OSTC oil stop tube                   | 6  | CFXB insulating tube(s)   |
| 2 | CCON conductive shielding tube       | 7  | CCON conductive shielding tube                                    |
| 3 | CCB conductive breakout boot         | 8  | Tinned copper mesh and braid                                      |
| 4 | SCS stress control/oil block sealant | 9  | CCB insulating breakout boot                                      |
| 5 | CSCR stress control tube             | 10 | CRDW-RA reinforced wraparound with aluminum foil moisture barrier |

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