

CJT 80 SERIES

INSULATE
SEAL
PROTECT

HEAT SHRINK MEDIUM VOLTAGE JOINTS

THE CJT 80 SERIES JOINTS ARE TRIFURCATING TRANSITION, 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 XLP AND EPR EXTRUDED DIELECTRIC, TAPE, WIRE SHIELDED, BARE OR JACKETED CONCENTRIC NEUTRAL 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 80 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



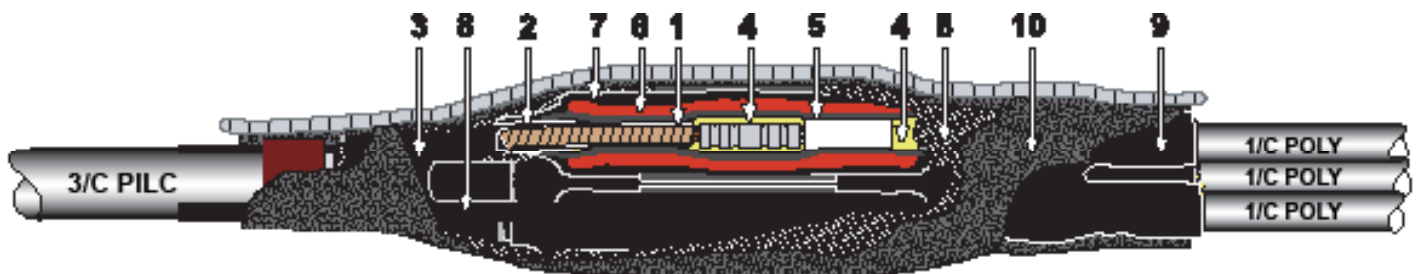
DIMENSIONS

ORDER NUMBER	PILC/POLY CONDUCTOR SIZE AWG/kCMIL	INSULATION DIAMETER RANGE IN	JACKET DIAMETER (MAX.)		CONNECTOR DIMENSIONS (MAX.)		INSTALLED LENGTH (NOM.) IN
			1/C PILC RANGE IN	1/C POLY RANGE IN	O.D. BOTH IN	LENGTH IN	
			15 kV, 3/C PILC TO 3 - 1/C PILC TRIFURCATING JOINT OR 3/C PILC TO 3-1/C POLY CABLE TRANSITION JOINT (165 - 220 MILS INSULATION)				
CJT 1581	#4 - 4/0	0.55 - 0.90	0.60 - 1.05	0.80 - 1.85	1.05	4.50	40.0
CJT 1582	4/0 - 350	0.80 - 1.20	0.85 - 1.30	0.90 - 1.85	1.25	5.50	40.0
CJT 1583	400 - 750	1.00 - 1.30	1.05 - 1.60	1.10 - 2.15	1.75	7.00	48.0
CJT 1584	750 - 1000	1.15 - 1.50	1.25 - 1.85	1.10 - 2.15	1.85	8.00	48.0
25 kV, 3/C PILC TO 3 - 1/C PILC TRIFURCATING JOINT OR 3/C PILC TO 3-1/C POLY CABLE TRANSITION JOINT (260 - 320 MILS INSULATION)							
CJT 2581	#1 - 300	0.80 - 1.25	0.85 - 1.25	0.90 - 1.85	1.25	5.50	40.0
CJT 2582	350 - 500	1.00 - 1.45	1.05 - 1.50	1.10 - 2.15	1.60	7.00	48.0
CJT 2583	600 - 1000	1.35 - 1.70	1.40 - 1.90	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 POLY CABLE 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 |

All information contained in this data sheet is believed to be reliable. We advise, however, that customers should separately evaluate the suitability of our products for their particular application. DSG-Canada and ShawCor give no guarantees in respect of the accuracy or sufficiency of the information presented and disclaim any liability regarding its use. Our responsibilities are only those listed in our Standard Terms and Conditions of Sale for these products. In no instance will we be liable for any eventual, indirect or consequential damage or damages arising from the sale, resale, transfer, use or misuse of the product.