CJ 80 Series

DSG-Canusa
A ShawCor Company

Insulate
Seal
Protect

Heat Shrink Medium Voltage Joints

The CJ 80 series joints are single core, heat shrink joints for splicing 15 kV and 25 kV jacketed or unjacketed paper and lead laminated dielectric cable (PILC or VCLC) to itself or to XLP or EPR extruded dielectric, tape, wire shielded or concentric neutral cable

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

Test Reports

CJ 80 series joints were design tested to IEEE 404-2000 at an independent laboratory.

Test reports are available as follows:

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

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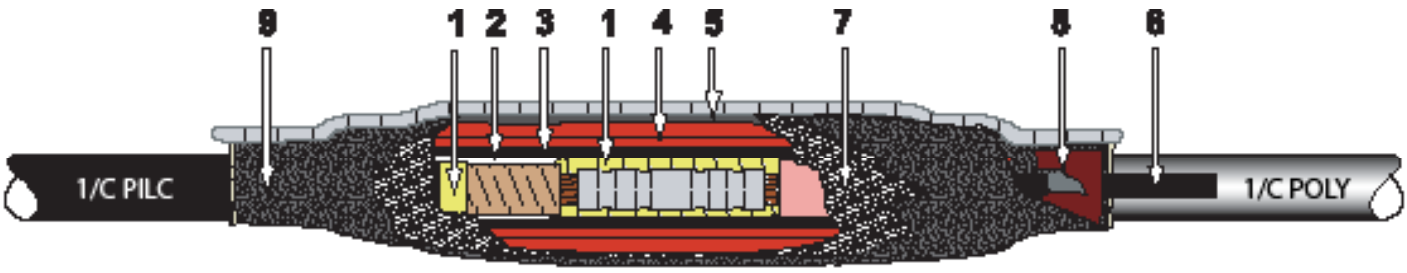
Dimensions

Order Number	PILC/Poly Conductor Size	Insulation Diameter		Connector Dimensions Max.			Installed Length (nom.)
		PILC Range	Poly Range	O.D. Both	PILC-PILC Length	PILC-Poly Length	
	AWG/kcmil	in	in	in	in	in	in
15 kV, 1/C PILC to 1/C PILC Straight Joint or 1/C PILC to Poly Transition Joint (165 - 225 mils insulation)							
CJ 1581	#4 - 4/0	0.55 - 1.00	0.60 - 1.05	0.90	3.50	4.25	31.0
CJ 1582	4/0 - 400	0.75 - 1.20	0.80 - 1.25	1.15	4.00	5.50	35.0
CJ 1583	500 - 750	1.00 - 1.70	1.05 - 1.75	1.60	5.00	7.00	37.0
CJ 1584	750 - 1000	1.20 - 1.80	1.30 - 1.85	1.85	6.00	8.00	40.0
25 kV, 1/C PILC to 1/C PILC Straight Joint or 1/C PILC to Poly Transition Joint (260 - 320 mils insulation)							
CJ 2581	4/0 - 400	0.75 - 1.20	0.80 - 1.25	1.15	4.00	4.25	40.0
CJ 2582	500 - 750	1.00 - 1.70	1.05 - 1.75	1.60	5.00	5.50	48.0
CJ 2583	750 - 1000	1.20 - 1.80	1.30 - 1.85	1.85	6.00	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, 1/C Paper-Lead to 1/C Poly Cable Joints



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