

CJ 10 SERIES

INSULATE
SEAL
PROTECT

HEAT SHRINK MEDIUM VOLTAGE JOINTS

CJ SERIES JOINTS ARE SINGLE CORE, 15 kV TO 35 kV, HEAT SHRINK JOINTS FOR XLPE AND EPR EXTRUDED DIELECTRIC, BARE AND JACKETED CONCENTRIC NEUTRAL CABLES. THE CJ 10J SERIES JOINTS USE THE SAME JOINT COMPONENTS AS THE CJ 10 SERIES JOINTS BUT ARE SUPPLIED WITH A WRAPAROUND JACKETING SLEEVE TO SEAL FROM CABLE JACKET TO CABLE JACKET ON JACKETED CONCENTRIC NEUTRAL CABLES

FEATURES AND BENEFITS

- Fast, consistent installation means lower installed costs
- Installation environment: use of torch adds flexibility to cable preparation in any climate
- Heat activated seal ensures maximum protection against moisture ingress
- Custom tailored with options to your exacting needs
- Lightweight construction requires no additional support
- Wide cable ranges for reduced inventory requirements
- Tough abrasion resistant outer covering protects against damage from improper backfill
- Slim profile allows installation in confined areas

STANDARDS

- Rated to IEEE 404-2000

TESTS REPORTS

The CJ 10 series joints were design tested to IEEE 404- 2000 at an independent laboratory as single core unjacketed joints. This represents the worst case condition as the joints submerged under water were not afforded the added protection of the CJ 10J series joints with jackets.

Test reports are available as follows:

- CJ 1510 series: HVS020080
- CJ 2510 series: HVS020081 & HVS020083
- CJ 3510 series: HVS020082



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HEAT SHRINK MEDIUM VOLTAGE

STANDARD DIMENSIONS

ORDER NUMBER	CONDUCTOR SIZE RANGE	INSULATION O.D. RANGE		JACKET O.D. MAXIMUM		CONNECTOR DIMENSIONS				NOMINAL KIT INSTALLED LENGTH	
						MAXIMUM O.D.		MAXIMUM LENGTH			
						IN	MM	IN	MM	IN	MM
BARE CONCENTRIC NEUTRAL											
15 KV (175 - 220 MILS)											
CJ 1511	#4 - 4/0 AWG	0.60 - 1.05	15 - 23	n/a	n/a	0.90	23	4.25	108	17.5	445
CJ 1512	3/0 - 350 kcmil	0.80 - 1.25	20 - 32	n/a	n/a	1.15	29	5.50	140	20.0	508
CJ 1513	400 - 750 kcmil	1.05 - 1.75	27 - 44	n/a	n/a	1.60	41	8.00	203	22.0	559
CJ 1514	750 - 1000 kcmil	1.30 - 1.85	33 - 47	n/a	n/a	1.85	47	8.00	203	22.0	559
25 - 28 KV (260 - 280 MILS)											
CJ 2511	#1 - 250 kcmil	0.80 - 1.20	20 - 30	n/a	n/a	1.50	38	4.00	102	20.0	508
CJ 2512	4/0 - 500 kcmil	1.05 - 1.60	27 - 41	n/a	n/a	1.95	50	6.00	152	22.0	559
CJ 2513	600 - 1000 kcmil	1.40 - 1.85	36 - 47	n/a	n/a	2.40	61	8.00	203	24.0	610
35 KV (345 MILS)											
CJ 3511	1/0 - 250 kcmil	0.95 - 1.35	24 - 34	n/a	n/a	1.00	25	5.00	127	24.0	610
CJ 3512	4/0 - 600 kcmil	1.30 - 1.75	33 - 44	n/a	n/a	1.50	38	8.00	203	30.0	762
CJ 3513	600 - 1000 kcmil	1.55 - 2.15	39 - 55	n/a	n/a	1.85	47	10.00	254	30.0	762
JACKETED CONCENTRIC NEUTRAL											
15 KV (175 - 220 MILS)											
CJ 1511J	#4 - 4/0 AWG	0.60 - 1.05	15 - 23	1.25	32	0.90	23	4.00	102	28.0	711
CJ 1512J	3/0 - 350 kcmil	0.80 - 1.25	20 - 32	1.50	38	1.15	29	5.50	140	32.0	813
CJ 1513J	400 - 750 kcmil	1.05 - 1.75	27 - 44	1.85	47	1.60	41	8.00	203	35.0	889
CJ 1514J	750-1000 kcmil	1.30 - 1.85	33 - 47	2.10	53	1.85	47	8.00	203	35.0	889
25 - 28 KV (260 - 280 MILS)											
CJ 2511J	#1 - 250 kcmil	0.80 - 1.20	20 - 30	1.55	39	1.50	38	4.00	102	32.0	813
CJ 2512J	4/0 - 500 kcmil	1.05 - 1.60	22 - 41	1.95	50	1.95	50	6.00	152	35.0	889
CJ 2513J	600 - 1000 kcmil	1.40 - 1.85	27 - 41	2.40	61	2.40	61	8.00	203	45.0	1143
35 KV (345 MILS)											
CJ 3511J	1/0 - 250 kcmil	0.95 - 1.35	24 - 34	1.55	39	1.00	25	5.00	127	39.0	991
CJ 3512J	4/0 - 600 kcmil	1.30 - 1.75	33 - 44	2.10	53	1.50	38	8.00	203	45.0	1143
CJ 3513J	600 - 1000 kcmil	1.55 - 2.15	39 - 55	2.80	71	1.85	47	10.0	254	48.0	1220

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 CJ 1510 - CJ 3510 series joints are for BARE, non-jacketed concentric neutral cables. The CJ 1510J - CJ 3510J series joints are for JACKETED, concentric neutral cables. The overlap in size range 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 maximum is not exceeded.
- A cable preparation/cleaning kit can be included with the kit by adding the suffix "P" to the end of the part number.

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