

THIS KIT CONTAINS:

- 1 Tap Side 'Y' insert
- 1 Packet of lubricant
- 1 Tap Side housing
- 1 Terminal block assembly
- 1 Feeder Side housing

⚠ WARNING: Improper use or installation of this product may cause fire, electrocution, serious personal injury or death. Shut off power to the circuit or remove fuse before using this product. Use only connector properly sized to the wiring being used. Consult local building codes for installation requirements.

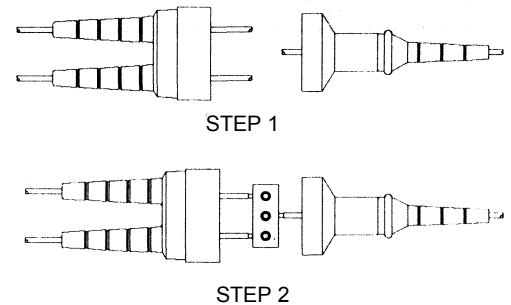
INSTALLATION INSTRUCTIONS

CAUTION: Identify FEEDER and TAP sides of wiring with correct molded connector bodies before installing.

MAX. 75°C (167°F) OPERATING TEMPERATURE 600 VOLT 70 AMP
Cu or Al Conductors

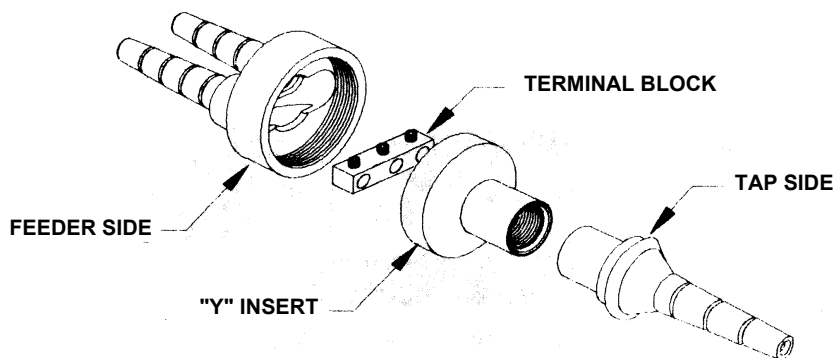
FEEDER SIDE

1. Measure or determine the outside diameter of the wire on the Feeder Side, and from CHART A, select the correct size for the molded sleeve and cut off to the size required.
2. **Thoroughly clean** approximately 6" of the insulation at the end of the wires and apply a light coating of the lubricant (do not substitute) to the cleaned insulation and the small holes in the Feeder Side housing. Push wires into the Feeder Side housing as shown in step 1.
3. Strip the wires approximately 5/8". An application of oxidation inhibitor such as Noalox® required on properly cleaned aluminum conductors. Tighten set screws on both conductors, as illustrated in step 2, with a 5/32" hex key.



TAP SIDE

1. Measure or determine the outside diameter of the wire on the Tap Side, and from CHART B, select the correct size for the molded sleeve and cut off to the size required. Example: If cable O.D. is 0.270", it falls within the "C" range-cut off between "B" and "C".
2. **Thoroughly clean** approximately 6" of the insulation at the end of the wire and apply a light coating of the lubricant (do not substitute) to the cleaned insulation and the small hole in the Tap Side housing. Push wire into the Tap Side housing, then slide on the 'Y' insert and plug into the Tap Side as shown in step 1.
3. Strip the wire approximately 5/8". An application of oxidation inhibitor such as Noalox® required on properly cleaned aluminum conductors. Tighten set screw on the conductor, as illustrated in step 2, with a 5/32" hex key.
4. Plug the terminal block into the Feeder Side housing and plug the Tap Side assembly into the Feeder Side housing as shown on the other side 'ASSEMBLED KIT'. If less assembly force is desired, lubricate mating housings with grease supplied. **CAUTION: WHEN PROPERLY MATED, THE SEAM BETWEEN THE HOUSINGS SHOULD NOT EXCEED 1/32".**



**EXCERPTS OF 1996 US NEC TABLES 5 & 5A
DIMENSIONS OF INSULATED CONDUCTORS**

Size in AWG	Approx. Diameter in Inches for Insulation						Approx. Diameter in Inches for Compact Al Conductors		
	RH	RHH, RHW, RHW-2	THW, THW-2, THHW	TW	THHN, THWN, THWN-2	XHHW, XHHW-2	THW, THHW	THHN	XHHW
14	.163	.193	.163	.133	.111	.133	—	—	—
12	.182	.212	.182	.152	.130	.152	—	—	—
10	.236	.236	.206	.176	.164	.176	—	—	—
8	.326	.326	.266	.236	.216	.236	.255	—	.224
6	.364	.364	.304	.304	.254	.274	.290	.240	.260
4	.412	.412	.352	.352	.324	.322	.335	.305	.305
3	.440	.440	.380	.380	.352	.350	—	—	—
2	.472	.472	.412	.412	.384	.382	.390	.360	.360
1	.582	.582	.492	.492	.446	.442	.465	.415	.415
1/0	.622	.622	.532	.532	.486	.482	.500	.450	.450

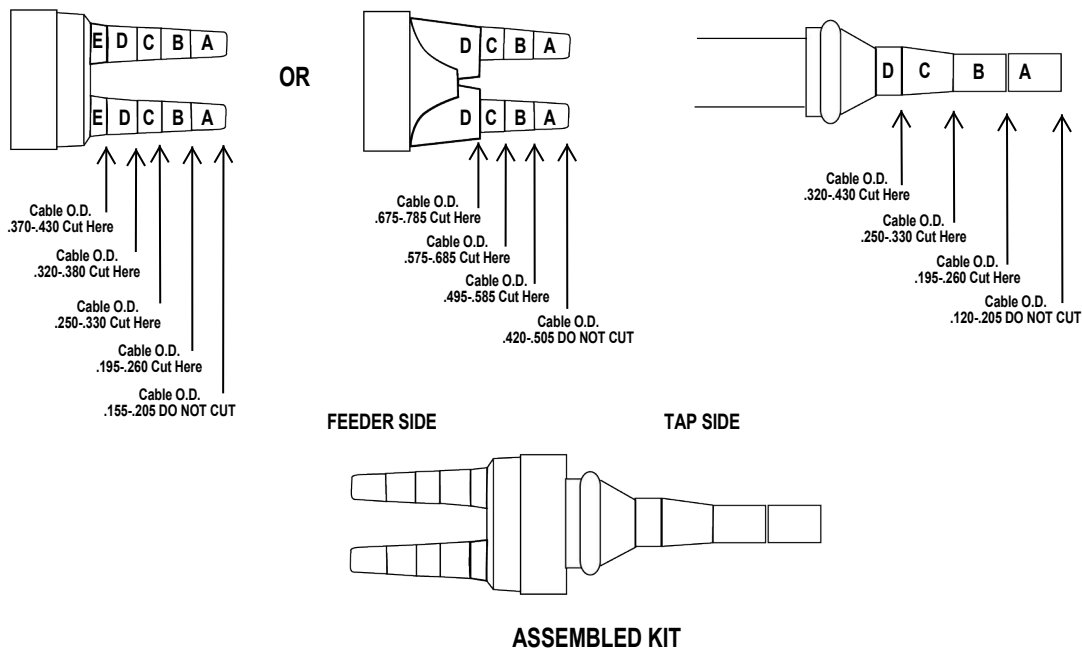
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CHART A - LINE SIDE HOUSING (inches)

CABLE O.D. (inch) or CABLE O.D. (inch)			
A	.155-.205	A	.420-.505
B	.195-.260	B	.495-.585
C	.250-.330	C	.575-.685
D	.320-.380	D	.675-.785
E	.370-.430		

CHART B - LOAD SIDE HOUSING (inches)

CABLE O.D. (inch) or CABLE O.D. (inch)	
A	.120-.205
B	.195-.260
C	.250-.330
D	.320-.430



WARRANTY: One-year limited warranty. See www.idealind.com or call Customer Assistance for warranty details.

WARNING: Cancer - www.P65Warnings.ca.gov.

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BUCHANAN

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