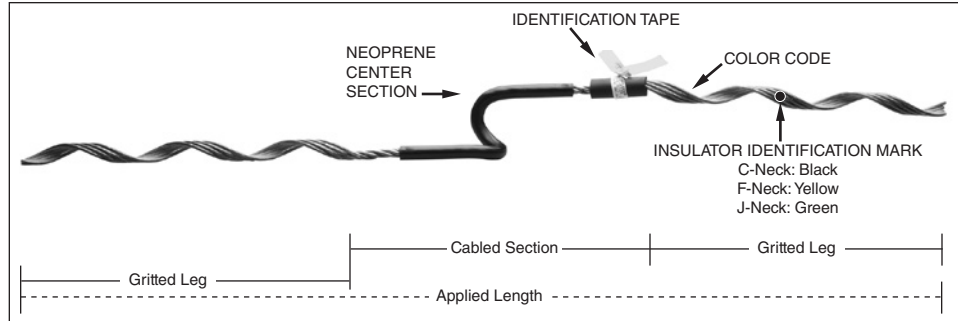




WRAPLOCK® Tie

NOMENCLATURE

RUS Accepted



WRAPLOCK Tie Tube: Component is detached and placed in the saddle groove of the insulator.

Molded Center Section: Together with tubes, completely surrounds conductor with protective cushion.

Insulator Identification Mark: Identifies the correct insulator head-style by colors corresponding to information on Catalog Specification pages.

Color Code: Assists in identification of conductor diameter and indicates starting point for application, corresponding to tabular information appearing on Catalog pages.

Applied Length: Assists in identification of conductor size, corresponding to tabular information appearing on Catalog pages.

Identification Tape: Shows catalog number, nominal sizes.

GENERAL RECOMMENDATIONS

INTENDED USE: WRAPLOCK Ties secure conductors in the top groove of interchangeable head-style insulators.

WRAPLOCK Ties provide an improved method of securing conductor compared to clamp-top insulators or hand ties over Armor Rods.

WRAPLOCK TIE TUBE: WRAPLOCK Ties provide superior abrasion protection for the conductor under all types of motion, including low frequency sway oscillation, high frequency aeolian vibration, and galloping.

The elastomer components are recommended because they surround the bare conductor with a resilient cushion where the conductor would come into contact with the insulator and with the center section of the tie. The WRAPLOCK Tie provides superior protection by eliminating abrasion rather than sacrificing outside surfaces to abrasion.

VIBRATION DAMPERS: By using WRAPLOCK Ties, the vibration fatigue life is maximized to the extent that the original endurance limit of the conductor is not reduced by abrasion on its outside surface. However, on selected lines where experience indicates that prolonged periods of vibration might approach the fatigue life of the conductor, or cause inner wire fretting, it will be necessary to supplement with dampers.

The following are guideline definitions for vibration activity. They should be applied to a Utility's own experience on lines in a given area.

“Excessive” Vibration: Areas where abrasion damage has been known to require replacement of both hand tie wire and protective rods, or where fatigue has been found under clamps. Protective rods should be replaced when visual inspection shows approximately half or more of the rod diameter has been abraded.

“Severe” Vibration: Areas where abrasion has required replacement of hand tie wire, but damage to protective rods has not progressed to the point where replacement is necessary.

“Moderate” Vibration: Areas where replacement of hand tie wire has not been required, and damage is minor.

WRAPLOCK Ties provide protection on areas of **“severe”** or **“moderate”** vibration. For areas experiencing **“excessive”** vibration, supplemental use of dampers is recommended. Spiral Vibration Damper's single purpose is to prevent the unlimited accumulation of aeolian vibration.

(Continued)

WRAPLOCK® Tie

GENERAL RECOMMENDATIONS CONTD.

INTERCHANGEABLE HEAD-STYLE INSULATOR: To insure proper fit and service life, it is recommended that only insulators corresponding to C-neck, F-neck, or J-neck be used. These neck-diameter and groove-height dimensions appear on ANSI standards.

Consult the Factory for engineering recommendations on non-interchangeable head-style insulators. A sample of the insulator in question is desirable.

CONDUCTOR SIZE: Conductor sizes up to 1.240" O.D. can be accommodated depending on the insulator's top groove radius.

MECHANICAL STRENGTH: The WRAPLOCK Tie is designed to provide longitudinal holding strength in excess of values required by the National Electric Safety Code. The maximum holding strength is usually sufficient to contain the broken conductor to a single span, however, the WRAPLOCK Tie is designed to relieve the load before severe damage is done to the pole's structural components.

The WRAPLOCK Tie is designed to permit controlled and limited movement of unbroken conductor, reducing cantilever loading at the base of the insulator or bracket, then restore itself. We refer to this unique feature as "resilience." **TM-169E** covers the mechanical testing of the WRAPLOCK Tie and is available upon request.

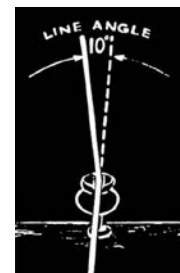
RADIO INTERFERENCE: The RIV characteristics of WRAPLOCK Ties are equivalent to those of a well-made hand tie when originally installed. During service life the precontoured tie assures continued fit, which would have better RIV than a loosened tie wire.

TAPPING: Compared to the use of protective rods, placing hot-line clamps directly over the applied legs of WRAPLOCK Ties cannot be recommended. Tapping over protective rods will remain permissible, however, there are now stirrups available that provide a superior method of making hot-line taps.



LINE ANGLES – GENERAL GUIDELINES:

On vertically-mounted insulators, WRAPLOCK Ties can normally accommodate line angles up to 10°. Larger angles may be accommodated when the insulator is mounted at varying degrees of cant from the vertical, depending upon the actual cant of the insulator. Combining Side Ties with WRAPLOCK Ties on a single structure can also affect the acceptable line angles for that structure.



A technical report (**TM-197E**) is available which describes these various permissible line angles of WRAPLOCK Ties as a function of the insulator cant.

In all cases the conductor should rest in the preferred insulator groove, independently of the tie, so the tie is not required to force the conductor to remain in that groove. The largest practical angle a tie can accommodate depends upon limiting factors such as conductor size, tension, span lengths, sag angles, insulator style and orientation, etc. Consult PLP for further guidance on line angle issues not covered in the above test report.

DOUBLE SUPPORTS: At double crossarms PREFORMED™ Double-Support Tie can be used to cross major highways and railroads, or turn angles where it is practical to hold the conductor in the top groove during installation.

SAFETY CONSIDERATIONS

1. This product is intended for a single (one-time) use and for the specified application. **CAUTION: DO NOT REUSE OR MODIFY THIS PRODUCT UNDER ANY CIRCUMSTANCES.**
2. This product is intended for use by trained craftspeople only. This product **SHOULD NOT BE USED** by anyone who is not familiar with and trained in the use of it.
3. When working in the area of energized lines with this product, **EXTRA CARE** should be taken to prevent accidental electrical contact.
4. For **PROPER PERFORMANCE AND PERSONAL SAFETY** be sure to select the proper size WRAPLOCK Tie before application.
5. WRAPLOCK Ties are precision devices. To insure proper performance, they should be stored in cartons under cover and handled carefully.



WRAPLOCK® Tie

For use on:
ACSR, Compacted ACSR,
Aluminum Alloy
All-Aluminum, AWAC®
Compacted All-Aluminum

C-Neck Interchangeable
Headstyle Insulators



ANSI 55-2 Pin
ANSI 55-3 Pin **2-1/4" Neck Diameter**

Catalog Number	Diameter Range (inches)		Nominal Conductor Size	Units Per Carton	Wt./Lbs.	Applied Length (inches)	Insulator Identification Mark	Color Code
	Min.	Max.						
9/16" R Groove (See Note 2)								
WTC-0100	.248	.259	#4, 6/1-7/1 #4, 7W Alum. Alloy	100	21	19	Black	Orange
WTC-0101	.260	.269	#4, AWAC, 5/2 #3, 7W, All-Alum. #2, 7W, Comp.	100	21	19	Black	Green
WTC-0102	.270	.280	#3, 7W, Alum. Alloy #3, AWAC, 6/1	100	21	19	Black	Yellow
WTC-0103	.281	.291	#4, AWAC, 4/3 #3, 6/1 #2, 6/1, Comp.	100	24	20-1/2	Black	White
WTC-0104	.292	.303	#3, AWAC, 5/2 #2, 7W, All-Alum. #2, 7/1, Comp.	100	24	20-1/2	Black	Purple
WTC-0105	.304	.314	#4, AWAC, 3/4 #2, AWAC, 6/1	100	24	21-1/2	Black	Brown
WTC-0106	.315	.327	#2, 6/1-7/1 #2, 7W, Alum. Alloy	100	24	21-1/2	Black	Red
WTC-0107	.328	.340	#2, AWAC, 5/2 #1, 7W, All-Alum. 1/0, 7W, Comp.	100	25	22-1/2	Black	Blue
WTC-0108	.341	.353	#3, AWAC, 3/4 #1, 7W, Alum. Alloy	100	25	22-1/2	Black	Orange
WTC-0109	.354	.367	#2, AWAC, 4/3 #1, 6/1, 1/0, 6/1, Comp.	100	26	23-1/2	Black	Green
WTC-0110	.368	.381	1/0, 7W, All-Alum. 2/0, 7W, Comp.	100	26	20	Black	Black
WTC-0111	.382	.394	#2, AWAC, 3/4 1/0, AWAC, 6/1	100	27	21	Black	White
WTC-0112	.395	.411	1/0, 6/1 1/0, 7W, Alum. Alloy	100	27	21	Black	Yellow
WTC-0113	.412	.437	2/0, 7W-19W, All-Alum. 3/0, 7W-19W, Comp.	100	27	22	Black	Brown
WTC-0114	.438	.463	2/0, 6/1-7/1 2/0, 7W, Alum. Alloy	100	28	23	Black	Blue
WTC-0115	.464	.492	3/0, 7W-19W, All-Alum. 4/0, 7W-19W, Comp.	50	18	24-1/2	Black	Green
WTC-0116	.493	.522	3/0, 6/1 3/0, 7W, Alum. Alloy 4/0, 7W, All-Alum.	50	18	24-1/2	Black	Orange
WTC-0117	.523	.554	3/0, AWAC, 5/2 4/0, 19W, All-Alum. 266.8, 7W-19W, Comp.	50	18	26-1/2	Black	Black
WTC-0118	.555	.594	4/0, 6/1 4/0, 7W, Alum. Alloy 266.8, 7W-19W, All-Alum.	50	19	27-1/2	Black	Red
WTC-0119	.595	.630	266.8, 18/1 300, 18W-37W, All-Alum.	50	21	28-1/2	Black	Purple

Right-hand lay standard

(Continued on next page)

EXPLANATORY NOTES:

- (1) Nominal Conductor size indicates one of various conductors within each range.
- (2) For the succeeding conductors ranges, the insulator's top groove radius should be at least as large as shown above.
- (3) AWAC is a registered trademark of the Copperweld Co.

WRAPLOCK® Tie

For use on:

**ACSR, Compacted ACSR,
Aluminum Alloy**

**All-Aluminum, AWAC®
Compacted All-Aluminum**

**C-Neck Interchangeable
Headstyle Insulators**

ANSI 55-2 Pin 2-1/4" Neck Diameter
ANSI 55-3 Pin



Catalog Number	Diameter Range (Inches)		Nominal Conductor Size	Units Per Carton	Wt./Lbs.	Applied Length (Inches)	Insulator Identification Mark	Color Code
	Min.	Max.						
5/8", R. Groove (See Note 2)								
WTC-0120	.631	.664	266.8, 26/7 266.8, 19W, Alum. Alloy	50	21	28-1/2	Black	Yellow
WTC-0121	.665	.705	336.4, 18/1-36/1 336.4, 19W, All-Alum. 350, 19W-37W, All-Alum.	50	21	29-1/2	Black	Brown
WTC-0122	.706	.747	336.4, 26/7-30/7 397.5, 19W, All-Alum.	50	22	30-1/2	Black	Green
3/4" R. Groove (See Note 2)								
WTC-0123	.748	.795	397.5, 24/7, 26/7 397.5, 19W, Alum. Alloy 477, 19W, 37W, All-Alum.	50	20	33	Black	Orange
WTC-0124	.796	.846	477, 18/1, 36/1 500, 19W, All-Alum.	50	21	37	Black	Purple
WTC-0125	.847	.900	556.5, 18/1, 36/1 556.5, 19W, 37W All-Alum.	50	21	39	Black	Blue
WTC-0126	.901	.958	636, 18/1, 36/1 636, 37W All-Alum. 556.5M, 19W Alum. Alloy	50	22	41	Black	Green
WTC-0127	.959	1.018	666.6, 24/7, 54/7 750, 37W All-Alum. 636, 37 Alum. Alloy	50	23	43	Black	White
13/16" R. Groove (See Note 2)								
WTC-0128	1.019	1.083	795, 36/1, 45/7 795, 37W Alum. Alloy	50	24	45	Black	Brown
7/8" or 1" R. Groove (See Note 2)								
WTC-0129	1.084	1.151	954, 36/1 954, 37W All-Alum. 795, 37W Alum. Alloy	50	25	47	Black	Orange
WTC-0130	1.152	1.223	954, 45/7, 54/7 1033.5, 37W All-Alum. 954, 37W Alum. Alloy	50	27	49	Black	Purple
WTC-0131	1.224	1.240		50	29	59	Black	Black

Right-hand lay standard

EXPLANATORY NOTES:

- (1) Nominal Conductor size indicates one of various conductors within each range.
- (2) For the succeeding conductors ranges, the insulator's top groove radius should be at least as large as shown above.
- (3) AWAC is a registered trademark of the Copperweld Co.



WRAPLOCK® Tie

For use on:

ACSR, Compacted ACSR, Aluminum Alloy
All-Aluminum, AWAC® Compacted All-Aluminum
F-Neck Interchangeable Headstyle Insulators

ANSI 55-4 Pin
ANSI 55-5 Pin
ANSI 57-1 Post
ANSI 57-2 Post
ANSI 57-3 Post

2-7/8"
Neck Diameter



Catalog Number	Diameter Range (inches)		Nominal Conductor Size	Units	Wt./Lbs.	Applied Length (inches)	Insulator Identification Mark	Color Code
	Min.	Max.		Per Carton				
9/16" R Groove (See Note 2)								
WTF-0200	.248	.259	#4, 6/1-7/1 – #4, 7W, Alum. Alloy	100	24	20-3/4	Yellow	Orange
WTF-0201	.260	.269	#4, AWAC, 5/2 – #3, 7W, All-Alum. – #2, 7W, Comp.	100	24	20-3/4	Yellow	Green
WTF-0202	.270	.280	#3, 7W, Alum. Alloy – #3, AWAC, 6/1	100	24	20-3/4	Yellow	Yellow
WTF-0203	.281	.291	#4, AWAC, 4/3 – #3, 6/1 – #2, 6/1, Comp.	100	26	21-3/4	Yellow	White
WTF-0204	.292	.303	#3, AWAC, 5/2 – #3, 7W, All-Alum. – #2, 7/1, Comp.	100	26	21-3/4	Yellow	Purple
WTF-0205	.304	.314	#4, AWAC, 3/4 – #2, AWAC, 6/1	100	27	22-3/4	Yellow	Brown
WTF-0206	.315	.327	#2, 6/1-7/1 – #2, 7W, Alum. Alloy	100	27	22-3/4	Yellow	Red
WTF-0207	.328	.340	#2, AWAC, 5/2 – #1, 7W, All-Alum. 1/0, 7W, Comp.	100	27	23-3/4	Yellow	Blue
WTF-0208	.341	.353	#3, AWAC, 3/4 – #1, 7W, Alum. Alloy	100	27	23-3/4	Yellow	Orange
WTF-0209	.354	.367	#2, AWAC, 4/3 – #1, 6/1 1/0, 6/1, Comp.	100	28	24-3/4	Yellow	Green
WTF-0210	.368	.381	1/0, 7W, All-Alum. – 2/0, 7W, Comp.	100	29	21-1/2	Yellow	Black
WTF-0211	.382	.394	#2, AWAC, 3/4 – 1/0, AWAC, 6/1	100	29	22-1/2	Yellow	White
WTF-0212	.395	.411	1/0, 6/1 1/0, 7W, Alum. Alloy	100	29	22-1/2	Yellow	Yellow
WTF-0213	.412	.437	2/0, 7W-19W, All-Alum. 3/0, – 7W-19W, Comp.	100	30	23-1/2	Yellow	Brown
WTF-0214	.438	.463	2/0, 6/1-7/1 2/0, – 7W, Alum. Alloy	100	31	24-1/2	Yellow	Blue
WTF-0215	.464	.492	3/0, 7W-19W, All-Alum. 4/0, – 7W-19W, Comp.	50	20	25-1/2	Yellow	Green
WTF-0216	.493	.522	3/0, 6/1 3/0, 7W, Alum. Alloy 4/0, – 7W, All-Alum.	50	20	25-1/2	Yellow	Orange
WTF-0217	.523	.554	3/0, AWAC, 5/2 4/0, 18/1 4/0, 19W, All-Alum. 266.8, 7W-19W, Comp.	50	20	25-1/2	Yellow	Black
WTF-0218	.555	.594	4/0, 6/1 4/0, 7W, Alum. Alloy 266.8, 7W-19W, All-Alum.	50	20	26-1/2	Yellow	Red
WTF-0219	.595	.630	266.8, 18/1 300, – 19W-37W, All-Alum.	50	22	28	Yellow	Purple
5/8", R. Groove (See Note 2)								
WTF-0220	.631	.664	266.8, 26/7 266.8, 19W, Alum. Alloy	50	22	29	Yellow	Yellow
WTF-0221	.665	.705	336.4, 18/1-36/1 336.4, 19W, All-Alum. 350, 19W-37W, All-Alum.	50	22	29	Yellow	Brown
WTF-0222	.706	.747	336.4, 26/7-30/7 397.5, 19W, All-Alum.	50	23	30	Yellow	Green
3/4" R. Groove (See Note 2)								
WTF-0223	.748	.795	397.5, 24/7-26/7 397.5, 19W, Alum. Alloy 477, 19W-37W, All-Alum.	50	24	32-1/2	Yellow	Orange

Right-hand lay standard

(Continued on next page)

EXPLANATORY NOTES:

- (1) Nominal Conductor size indicates one of various conductors within each range.
- (2) For the succeeding conductors ranges, the insulator's top groove radius should be at least as large as shown above.
- (3) AWAC is a registered trademark of the Copperweld Co.

WRAPLOCK® Tie

For use on:

ACSR, Compacted ACSR, Aluminum Alloy
All-Aluminum, AWAC® Compacted All-Aluminum
F-Neck Interchangeable Headstyle Insulators

ANSI 55-4 Pin

ANSI 55-5 Pin

ANSI 57-1 Post

ANSI 57-2 Post

ANSI 57-3 Post

2-7/8"
Neck Diameter



Catalog Number	Diameter Range (Inches)		Nominal Conductor Size	Units	Wt./Lbs.	Applied Length (Inches)	Insulator Identification Mark	Color Code
	Min.	Max.		Per Carton				
WTF-0224	.796	.846	477, 18/1, 36/1 500, 19W, All-Alum.	50	20	37	Yellow	Purple
WTF-0225	.847	.900	556.5, 18/1, 36/1 556.5, 19W, 37W All-Alum	50	21	39	Yellow	Blue
WTF-0226	.901	.958	636, 18/1, 36/1 636, 37W All-Alum. 556.5, 19W Alum. Alloy	50	22	41	Yellow	Green
WTF-0227	.959	1.018	666.6, 24/7, 54/7 750, 37W, All-Alum. 636, 37W, Alum. Alloy	50	22	43	Yellow	White
13/16" R. Groove (See Note 2)								
WTF-0228	1.019	1.083	795, 36/1, 45/7 795, 37W, All-Alum.	50	23	45	Yellow	Brown
7/8" R. or 1" R. Groove (See Note 2)								
WTF-0229	1.084	1.151	954, 36/1 954, 37W, All-Alum. 795, 37W, Alum. Alloy	50	24	47	Yellow	Orange
WTF-0230	1.152	1.223	954, 45/7, 54/7 1033.5, 37W, All-Alum. 954, 37W, Alum. Alloy	50	25	49	Yellow	Purple
WTF-0231	1.224	1.240		50	29	59	Yellow	Black

Right-hand lay standard

EXPLANATORY NOTES:

- (1) Nominal Conductor size indicates one of various conductors within each range.
- (2) For the succeeding conductors ranges, the insulator's top groove radius should be at least as large as shown above.
- (3) AWAC is a registered trademark of the Copperweld Co.



WRAPLOCK® Tie

For use on:
ACSR, Compacted ACSR, Aluminum Alloy
All-Aluminum, AWAC® Compacted All-Aluminum
J-Neck Interchangeable Headstyle Insulators



ANSI 55-6
Single Skirt Pin
ANSI 55-7 **3-1/2" Neck Diameter**
Single Skirt Pin
ANSI 56-1
Double Skirt Pin

Catalog Number	Diameter Range (Inches)		Nominal Conductor Size	Units	Wt./Lbs.	Applied Length (Inches)	Insulator Identification Mark	Color Code
	Min.	Max.		Per Carton				
9/16" R Groove (See Note 2)								
WTJ-0400	.248	.259	#4, 6/1-7/1 – #4, 7W, Alum. Alloy	100	29	21	Green	Orange
WTJ-0401	.260	.269	#4, AWAC, 5/2 – #3, 7W, All-Alum. – #2, 7W, Comp.	100	29	21	Green	Green
WTJ-0402	.270	.280	#3, 7W, Alum. Alloy – #3, AWAC, 6/1	100	29	21	Green	Yellow
WTJ-0403	.281	.291	#4, AWAC, 4/3 – #3, 6/1 – #2, 6/1 Comp.	100	32	21	Green	White
WTJ-0404	.292	.303	#3, AWAC, 5/2 – #2, 7W, All-Alum. – #2, 7/1, Comp.	100	32	22	Green	Purple
WTJ-0405	.304	.314	#4, AWAC, 3/4 – #2, AWAC, 6/1	100	33	22	Green	Brown
WTJ-0406	.315	.327	#2, 6/1-7/1 – #2, 7W, Alum. Alloy	100	33	23	Green	Red
WTJ-0407	.328	.340	#2, AWAC, 5/2 – #1, 7W, All-Alum. 1/0, 7W, Comp.	100	33	23	Green	Blue
WTJ-0408	.341	.353	#3, AWAC, 3/4 – #1, 7W, Alum. Alloy	100	33	24	Green	Orange
WTJ-0409	.354	.367	#2, AWAC, 4/3 – #1, 6/1 1/0, 6/1, Comp.	100	33	24	Green	Green
WTJ-0410	.368	.381	1/0, 7W, All-Alum. 2/0, 7W, Comp.	100	33	25	Green	Black
WTJ-0411	.382	.394	#2, AWAC, 3/4 1/0, AWAC, 6/1	100	34	23	Green	White
WTJ-0412	.395	.411	1/0, 6/1 1/0, 7W, Alum. Alloy	100	34	24	Green	Yellow
WTJ-0413	.412	.437	2/0, 7W-19W, All-Alum. 3/0, 7W-19W, Comp.	100	35	25	Green	Brown
WTJ-0414	.438	.463	2/0, 6/1-7/1 2/0, 7W, Alum. Alloy	100	35	26	Green	Blue
WTJ-0415	.464	.492	3/0, 7W-19W, All-Alum. 4/0, 7W-19W, Comp.	50	21	28	Green	Green
WTJ-0416	.493	.522	3/0, 6/1 3/0, 7W, Alum. Alloy 4/0, 7W, All-Alum.	50	21	28	Green	Orange
WTJ-0417	.523	.554	3/0, AWAC, 5/2 4/0, 18/1 4/0, 19W, All-Alum. 266.8, 7W-19W, Comp.	50	21	28	Green	Black
WTJ-0418	.555	.594	4/0, 6/1 4/0, 7W, Alum. Alloy 266.8, 7W-19W, All-Alum.	50	22	29	Green	Red
WTJ-0419	.595	.630	266.8, 18/1 300, 19W-37W, All-Alum.	50	24	30	Green	Purple
5/8" R Groove (See Note 2)								
WTJ-0420	.631	.664	266.8, 26/7 266.8, 19W, Alum. Alloy	50	24	31	Green	Yellow
WTJ-0421	.665"	.705"	336.4, 18/1-36/1 336.4, 19W, All-Alum. 350, 19W-37W, All-Alum.	50	24	31	Green	Brown
WTJ-0422	.706"	.747"	336.4, 26/7-30/7 397.5, 19W, All-Alum.	50	25	32	Green	Green
3/4" R Groove (See Note 2)								
WTJ-0423	.748"	.795"	397.5, 24/7-26/7 397.5, 19W, Alum. Alloy 477M, 19W-37W, All-Alum.	50	26	34	Green	Orange
WTJ-0424	.796	.846	477, 18/1, 36/1 500, 19W, All-Alum.	50	32	39-1/2	Green	Purple
WTJ-0425	.847	.900	556.5, 18/6, 36/1 556.5, 19W, 37W, All-Alum.	50	33	41	Green	Blue
WTJ-0426	.901	.958	636, 18/1, 36/1 636, 37W, All-Alum. 556.5, 19W, Alum. Alloy	25	18	43	Green	Green
WTJ-0427	.959	1.018	666.6, 24/7, 54/7 750, 37W, All-Alum. 636, 37W, Alum. Alloy	50	35	45	Green	White
13/16" R Groove (See Note 2)								
WTJ-0428	1.019	1.083	795 36/1, 795 45/7, 795 37W AAC	25	18	47	Green	Brown
7/8" or 1" Groove (See Note 2)								
WTJ-0429	1.084	1.151	795 26/7, 795 37W AAC, 954 36/1, 954 37W AAC	25	19	49	Green	Orange
WTJ-0430	1.152	1.223	954, 45/7, 54/7 1033.5, 37W, All-Alum.	25	19	51	Green	Purple
WTJ-0431	1.224	1.240		25	20	59-1/2	Green	Black

Right-hand lay standard

EXPLANATORY NOTES:

- (1) Nominal Conductor size indicates one of various conductors within each range.
- (2) For the succeeding conductors ranges, the insulator's top groove radius should be at least as large as shown above.
- (3) AWAC is a registered trademark of the Copperweld Co.