

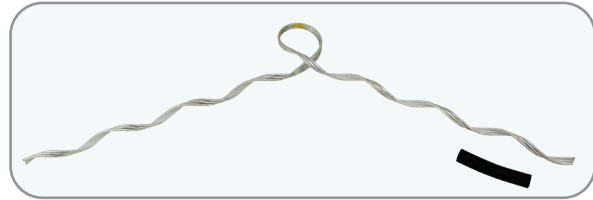
## Spool Tie

### MATERIALS

**Ties** - Manufactured of aluminum covered steel.

**Pads** - A specially formulated elastomer pad is supplied with each Spool Tie used for bare conductor, identified by catalog number suffix P. To specify the Spool Tie without the pad use the suffix T (for use on jacketed conductor).

**Identification tag** - Identifies catalog number, neck size, nominal conductor size, and conductor size.



### General Recommendations

To ensure proper fit and service life, it is recommended that only spool insulators of 1-3/4" neck diameter be used of ANSI class 53-1, 53-2 and 53-3.

Spool Ties not only replace hand ties over armor rods, but Spool Ties with pads provide superior protection against abrasion and all types of conductor motion from high frequency aeolian vibration to low frequency galloping.

The pad, which surrounds the conductor is a resilient cushion where the conductor is in contact with the insulator.

Spool Ties without pads are used for jacketed conductor.

### Maximum Size

Spool Ties are available for conductor sizes up to 0.968".

### Line Angle

The following are the maximum permissible angles:

	HORIZONTALLY MOUNTED SPOOL	VERTICALLY MOUNTED SPOOL
LINE ANGLE	20°	15°
SAG ANGLE	15°	20°

### Unbalanced Loading

Under unbalanced load conditions, the Spool Tie has the resiliency to permit some longitudinal displacement of the conductor over the insulator without loosening the tie or damaging the conductor.

### Radio Interference

The RIV characteristics of Spool Ties are superior to those of a well made hand tie when originally installed. During service-life, the pre-contoured helix assures consistent fit which has better RIV characteristics than loosened tie-wire.

### Tapping

Tapping over applied legs of the Spool Tie is not recommended. Taps should be located at least 6 inches from the end of the legs.

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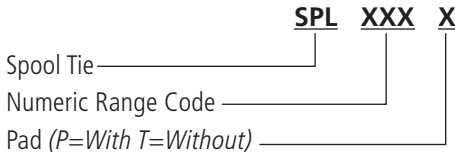


## Spool Tie

1-3/4 Neck With Pad

ACSR, All-Aluminum, Aluminum Alloy, AWAC, Compacted All-Aluminum and Compacted ACSR

### Selection Information



### ANSI Class 53-1, 53-2, and 53-3 1 3/4" Neck Diameter

AFL NO.	DIA. RANGE INCHES	NOMINAL CONDUCTOR SIZE	UNITS PER CARTON	WT. PER CARTON POUNDS	APPLIED LENGTH INCHES	COLOR CODE
SPL 048P	.190-.215	#6, 6/1 #4, 7W, Compacted	100	12	16	Blue
SPL 055P	.216-.244	#4, 7W, All Aluminum #4, 6/1, 7/1 Compacted	100	13	17	Brown
SPL 062P	.245-.277	#4, 6/1, 7/1 #4, 7W, Aluminum Alloy	100	16	19	Orange
SPL 070IP	.278-.315	#3, 7W, Aluminum Alloy #2, 7W, All Aluminum	100	17	21	Purple
SPL 080P	.316-.357	#2, 6/1, 7/1 #2, 7W, Aluminum Alloy #1, 6/1	100	23	24	Red
SPL 091P	.358-.405	1/0, 7W, All Aluminum 1/0, 6/1 1/0, 7W, Aluminum Alloy	100	24	26	Yellow
SPL 103P	.406-.459	2/0, 7W, All Aluminum 2/0, 6/1 2/0, 7W, Aluminum Alloy	100	28	28	Blue
SPL 117P	.460-.520	3/0, 7W, All Aluminum 3/0, 6/1 3/0, 7W, Aluminum Alloy	100	32	31	Orange
SPL 132P	.521-.588	4/0, 7W, All Aluminum 4/0, 6/1 4/0, 7W, Aluminum Alloy	50	18	32	Red
SPL 149P	.589-.665	266.8, 37W, All Aluminum 266.8, 18/1	50	19	23	Purple
SPL 169P	.666-.755	336.4, 19W, All Aluminum 336.4, 18/1 336.4, 37W, All Aluminum 397.5, 19W, All Aluminum 400, 19W, 37W, All Aluminum	50	24	25	Brown
SPL 192P	.756-.855	477, 19W, 37W, All Aluminum 477, 18/1, 24/7	50	25	26	Red
SPL 217P	.856-.968	556.5, 19W, All Aluminum 636, 18/1 700, 37W, 61W, All Aluminum	50	26	28	Blue

Formed Wire