

Quick Spool Tie

MATERIALS

Ties - Manufactured of aluminum covered steel.

Pads - A specially formulated elastomer pad is supplied with each Quick Spool Tie used for bare conductor, identified by catalog number suffix P. To specify the Quick 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 insure 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.

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	40°	10°

Unbalanced Loading

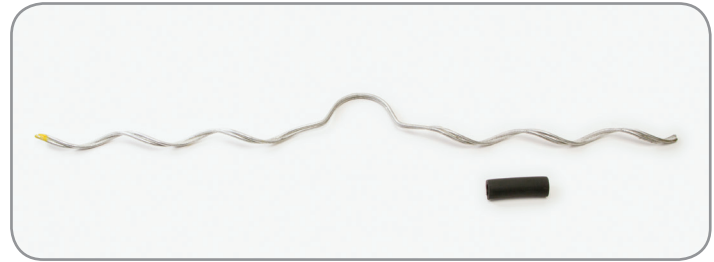
Under unbalanced load conditions, the Spool Tie has the resiliency to permit some longitudinal displacement of the conductor over the insulator without loosening the tie or damaging the conductor.

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.

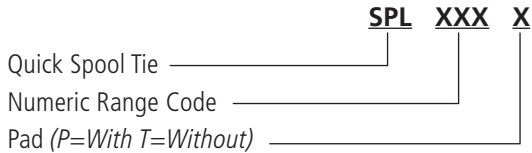


Quick Spool Tie

1-3/4 Neck With Pad

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

Selection Information



Spool Insulators 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
QSPL 062 P	.245 - .277	#4, 6/1, 7/1 #4, 7W, Alum. Alloy	100	16	15	Orange
QSPL 070 P						
QSPL 080 P	.316 - .357	#2, 6/1, 7/1 #2, 7W, Alum. Alloy #1, 6/1	100	23	18	Red
QSPL 091 P	.358 - .405	1/0, 7W, All Alum. 1/0, 6/1 1/0, 7W, Alum Alloy	100	24	20	Yellow
QSPL 103 P	.406 - .459	2/0, 7W, All Alum. 2/0, 6/1 2/0, 7W, Alum. Alloy	100	28	22	Blue
QSPL 117 P	.460 - .520	3/0, 7W, All Alum. 3/0, 6/1 3/0, 7W, Alum. Alloy	100	32	24	Orange
QSPL 132 P	.521 - .588	4/0, 7W, All Alum. 4/0, 6/1 4/0, 7W, Alum. Alloy	50	18	25	Red
QSPL 149 P	.589 - .665	266.8, 37W, All Alum. 266.8, 18/1	50	19	28	Purple
QSPL 169 P	.666 - .755	336.4, 19W, All Alum. 336.4, 18/1 336.4, 37W, All Alum. 397.5, 19W, All Alum. 400, 19W, 37W, All Alum.	50	24	31	Brown
QSPL 192 P	.756 - .855	477, 19W, 37W, All Alum. 477, 18/1, 24/7	50	25	32	Red
QSPL 217 P	.856 - .968	556.5, 19W, All Alum. 636, 18/1 700, 37W, All Alum.	50	26	33	Blue