

Double Side Tie

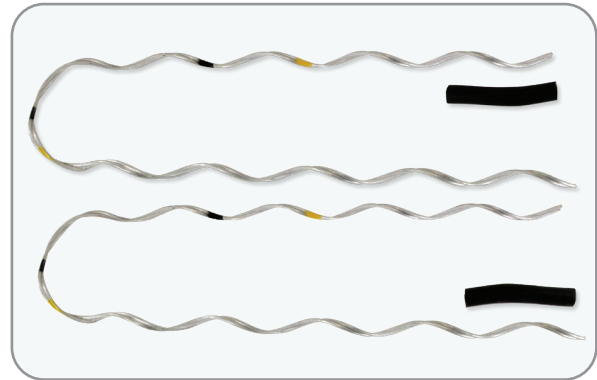
MATERIALS

Ties - (2 each) Aluminum covered steel.

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

Color code - Indicates the proper conductor diameter range. The C Neck and F Neck Double Side Ties have two color codes. The inner color code indicates the crossover mark for C Neck insulators and the outer color code indicates the F Neck crossover mark. J Neck Double Side Ties have only one color code.

Pads - (2 each) Specially formulated elastomer.



General Recommendations

To insure proper fit and service life, it is recommended that only insulators corresponding to C Neck, F Neck, or J Neck be used. The neck diameters and groove height dimensions appear in ANSI Standard for low and medium voltage pin type insulators.

Non-Standard Insulators

Double Side Ties are recommended as an improvement over Armor Rods secured with hand tie wire and clamp top insulators. When installed with a pad on bare conductor, they provide superior protection against abrasion and all types of conductor motion. The pad is a resilient cushion at the point of contact between conductor and insulator.

Double Side Ties are designed for double cross arm conductor support.

Maximum Size

Conductor sizes up to 1.20" O.D. can be accommodated depending on the insulator side groove radius.

Line Angle

At double cross arms, Double Side Ties are recommended for running line angles of up to 30 degrees with no more than 15 degrees at each insulator.

Unbalanced Loading

Under unbalanced load conditions, the Double Side 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 Double Side 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 Double Side Tie is not recommended. Taps should be located at least 6 inches from the end of the legs.

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Double Side Tie

C Neck and F Neck

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

C Neck 2-1/4" Neck Diameter ANSI Class 55-2 and 55-3

F Neck 2-7/8" Neck Diameter ANSI Class 55-4 and 55-5 Pin Type

57-1, 57-2 and 57-3 Post Type

Insulator Identification Mark: Black and Yellow

AFL NO.	DIA. RANGE INCHES	NOMINAL CONDUCTOR SIZE	UNITS PER CARTON	WT. PER CARTON POUNDS	APPLIED LENGTH INCHES	COLOR CODE
DBST 062	.245-.277	#4, 6/1, 7/1 #4, 7W, Aluminum Alloy	50	21	16	Orange
DBST 070	.278-.315	#3, 7W, Aluminum Alloy #2, 7W, All Aluminum	50	21	16	Purple
DBST 080	.316-.357	#2, 6/1, 7/1 #2, 7W, Aluminum Alloy #11, 6/1	50	21	17	Red
DBST 091	.358-.405	1/0, 7W, All Aluminum 1/0, 6/1 1/0, 7W, Aluminum Alloy	50	21	16	Yellow
DBST 103	.406-.459	2/0, 7W, All Aluminum 2/0, 6/1 2/0, 7W, Aluminum Alloy	50	21	18	Blue
DBST 117	.460-.520	3/0, 7W, All Aluminum 3/0, 6/1 3/0, 7W, Aluminum Alloy	50	36	19	Orange
DBST 132	.521-.588	4/0, 7W, All Aluminum 4/0, 6/1 4/0, 7W, Aluminum Alloy	50	36	19	Red
DBST 149	.589-.665	266.8, 37W, All Aluminum 266.8, 18/1	50	38	20	Purple
DBST 169	.666-.755	336.4, 19W, All Aluminum 336.4, 18/1 397.6, 19W, All Aluminum 400, 19W, 37W, All Aluminum	50	39	20	Brown
DBST 192	.756-.855	477, 19W, 37W, All Aluminum 477, 18/1, 24/7	50	39	20	Red
DBST 217	.856-.968	556.5, 19W, All Aluminum 636, 18/1 700, 37W, 61W, All Aluminum	50	42	22	Blue
DBST 246	.969-1.096	795, 37W, All Aluminum 795, 61W, All Aluminum 715.5, 24/7 795, 54/7	50	44	24	Green
DBST 278	1.097-1.240	954, 36/1, 54/7 1033.5, 37W, 61W, All Aluminum	50	44	24	Yellow

Right-Hand Lay Standard

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Formed Wire



Double Side Tie

J Neck

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

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

Insulator Identification Mark: Green

AFL NO.	DIA. RANGE INCHES	NOMINAL CONDUCTOR SIZE	UNITS PER CARTON	WT. PER CARTON POUNDS	APPLIED LENGTH INCHES	COLOR CODE
DBSTJ 062	.245-.277	#4, 6/1, 7/1 #4, 7W, Aluminum Alloy	50	24	19	Orange
DBSTJ 070	.278-.315	#3, 7W, Aluminum Alloy #2, 7W, All Aluminum	50	21	17	Purple
DBSTJ 080	.316-.357	#2, 6/1, 7/1 #2, 7W, Aluminum Alloy #1, 6/1	50	27	22	Red
DBSTJ 091	.358-.405	1/0, 7W-19W, All Aluminum 1/0, 6/1 1/0, 7W, Aluminum Alloy	50	26	21	Yellow
DBSTJ 103	.406-.459	2/0, 7W-19W, All Aluminum 2/0, 6/1 2/0, 7W, Aluminum Alloy	50	36	19	Blue
DBSTJ 117	.460-.520	3/0, 7W, All Aluminum 3/0, 6/1 3/0, 7W, Aluminum Alloy	50	37	20	Orange
DBSTJ 132	.521-.588	4/0, 7W, All Aluminum 4/0, 6/1 4/0, 7W, Aluminum Alloy	50	39	21	Red
DBSTJ 149	.589-.665	266.8, 37W, All Aluminum 266.8, 18/1	50	45	24	Purple
DBSTJ 169	.666-.755	336.4, 19W, All Aluminum 336.4, 18/1 397.6, 19W, All Aluminum 4W, 19W, 37W, All Aluminum	50	46	25	Brown
DBSTJ 192	.756-.855	477, 19W, 37W, All Aluminum 477, 18/1, 24/7	50	44	24	Red
DBSTJ 217	.856-.968	556.5, 24/7 636, 18/1 700, 37W, 61W, All Aluminum	50	43	23	Blue
DBSTJ 246	.969-1.096	795, 37W, All Aluminum 795, 61W, All Aluminum 715.5, 34/7 795, 54/7	50	43	23	Green
DBSTJ 278	1.097-1.240	954, 36/1, 54/7 1033.5, 37W, 61W, All Aluminum	50	48	25	Yellow

Right-Hand Lay Standard