

COATED SIDE TIE

Coated Side Ties are intended for use with plastic jacketed conductors and tie top ANSI C29 compliant insulators only. They are suitable for use on any plastic jacketed conductor. Coated Side Ties are designed to retain the conductor in the side groove of the insulator when line angles require the use of the insulator's side groove.

Coated Ties incorporate a semi-conductive plastic coating, selected for its superior electrical tracking resistance properties, covering a formed steel wire.

FEATURES AND BENEFITS

- Applicable to interchangeable headstyle insulators - C and F-Neck
- Accommodates conductors from 0.278" - 1.585" diameter
- Easily applied by hand or with hot sticks
- Fully UV-stabilized
- Accommodates line angles up to 40-degrees in the vertical orientation
- Relieved ends eases application without damaging the conductor jacket and eliminates tracking
- Long service life without deterioration of material properties
- Ideal for use with Tree Wire or Spacer Cable construction
- Test reports available upon request

DESIGN CONSIDERATIONS

Description	Details
Interchangeable Headstyle Insulator	To ensure proper fit and service life, it is recommended that only insulators corresponding to C-Neck, or F-Neck be used. These neck-diameter and groove-height dimensions appear in the appropriate ANSI C29 standards. Consult PLP for engineering recommendations on non-interchangeable headstyle insulators. A sample of the insulator in question is required.
Conductor Size	Conductor sizes up to 1.585" OD can be accommodated depending on the insulator's top groove radius.
Line Angles - General Guidelines	<p>On horizontally mounted insulators, Coated Side Ties can normally accommodate line angles up to 10-degrees. On vertically mounted insulators, line angles up to 40-degrees can normally be achieved. When insulators are mounted at various degrees of cant between the horizontal and the vertical, line angles between 0-degrees and 40-degrees may be accommodated depending upon the actual cant of the insulator.</p> <p>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.</p>
Mechanical Strength	<p>The Coated Side Tie is designed to provide longitudinal holding strength sufficient to contain the broken conductor to a single span and minimize the damage to the conductor and the pole's structural components. TR-856-E covers the mechanical testing of the Coated Side Tie and is available upon request.</p> <p>The Coated Side Tie is designed to permit controlled and limited movement of unbroken conductor and, under certain conditions, return the conductor to its original position. The ability of the Tie to give and return under differential loading conditions is called "resiliency" and is designed into each Coated Side Tie.</p>

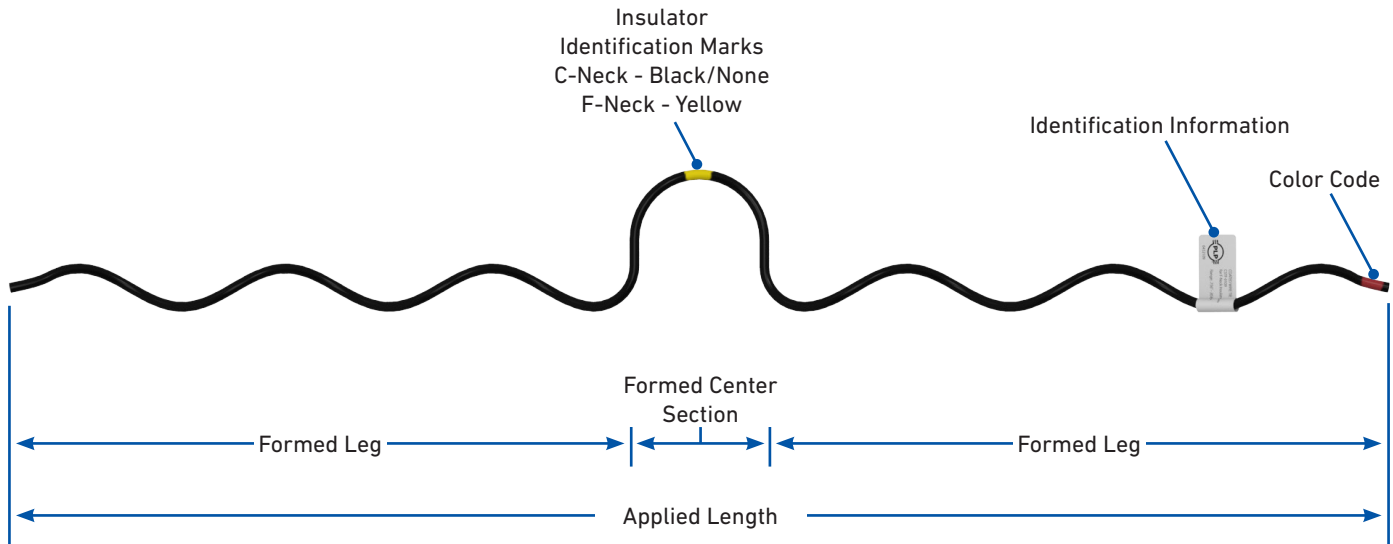
Additional Resources

For additional information regarding the use and installation of Coated Side Ties, scan or click the QR code below.



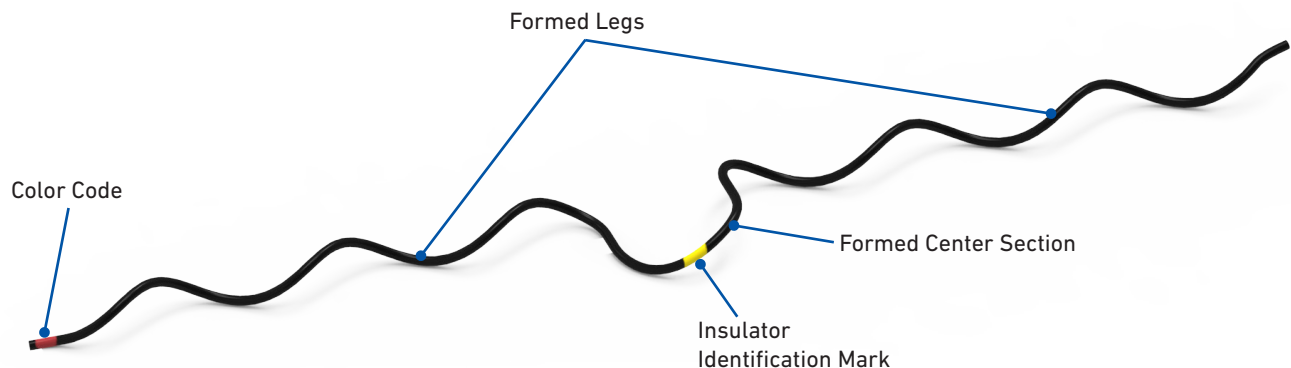
Coated Side Tie
Webpage

SPECIFICATIONS



Coated Double Side Tie

Component	Description
Identification Information	Shows catalog number and pertinent tie information. Printed on a tie flag.
Color Code	Identifies conductor diameter ranges for colors corresponding to tabular information on catalog pages.
Insulator Identification Mark	Identifies the correct insulator headstyle. For a C-Neck insulator the color mark is black and would blend in with the surface of the tie. In this case the color mark is not applied.
Formed Legs	Helical legs retain the conductor in place and prevent the conductor from shifting over the insulator.
Formed Center Section	Allows the tie to form properly around the neck of the insulator.
Applied Length	Assists in identification of conductor size corresponding to tabular information appearing on catalog pages.



Coated Side Tie

INSULATOR APPLICATION INFORMATION

Insulator Description	Specification	Neck Diameter
C-Neck Interchangeable Head-style Insulators	ANSI C29.5 Class 55-3 Pin Type	2-1/4"
	ANSI C29.18 Class 51-1C Post Type	
	ANSI C29.18 Class 51-2C Post Type	
F-Neck Interchangeable Head-style Insulators	ANSI C29.5 Class 55-4 Pin Type	2-7/8"
	ANSI C29.5 Class 55-5 Pin Type	
	ANSI C29.7 Class 57-1 Post Type	
	ANSI C29.7 Class 57-2 Post Type	
	ANSI C29.7 Class 57-3 Post Type	
	ANSI C29.18 Class 51-1F Post Type	
	ANSI C29.18 Class 51-2F Post Type	
	ANSI C29.18 Class 51-3F Post Type	
	ANSI C29.18 Class 51-4F Post Type	

ORDERING INFORMATION

Coated Side Tie: C-Neck and F-Neck Interchangeable Headstyle Insulators

Diameter Range		Units per Carton	C-Neck Insulators (Black/None)			F-Neck Insulators (Yellow)			Conductor Color Code
in			Catalog Number	Applied Length	Weight per Carton	Catalog Number	Applied Length	Weight per Carton	
Minimum	Maximum			in	lb		in	lb	
0.278	0.315	50	CSTC-0201	24	10	CSTF-0101	24	10	Purple
0.316	0.357		CSTC-0202	25	10	CSTF-0102	25	10	Red
0.358	0.405		CSTC-0203	23	11	CSTF-0103	23	11	Yellow
0.406	0.459		CSTC-0204	25	11	CSTF-0104	25	11	Blue
0.460	0.520		CSTC-0205	27	12	CSTF-0105	27	12	Orange
0.521	0.588		CSTC-0206	28	12	CSTF-0106	28	13	Red
0.589	0.665		CSTC-0207	31	14	CSTF-0107	31	13	Purple
0.666	0.755		CSTC-0208	33	12	CSTF-0108	35	14	Brown
0.756	0.858		CSTC-0209	35	15	CSTF-0109	36	15	Red
0.859	0.968		CSTC-0210	36	15	CSTF-0110	37	15	Blue
0.969	1.096		CSTC-0211	38	16	CSTF-0111	39	16	Green
1.097	1.240		CSTC-0212	39	16	CSTF-0112	40	16	Yellow
1.241	1.402		CSTC-0213	40	17	CSTF-0113	42	16	Orange
1.403	1.585		CSTC-0214	40	17	CSTF-0114	42	17	Black/None