

COATED DOUBLE TOP TIE

Coated Double Top 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 Double Top Ties are designed for installation on double insulator construction in the top groove of interchangeable insulators.

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 20-degrees (10-degrees per Insulator)
- Relieved ends eliminate tracking and ease application
- 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 vertically mounted insulators, Coated Double Top Ties can normally accommodate line angles up to 20-degrees, with no more than a 10-degree angle at each insulator. When insulators are mounted at various degrees of cant from the vertical, various line angles may be accommodated.</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 Double Top 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-1008-E covers the mechanical testing of the Coated Double Top Tie and is available upon request.</p> <p>The Coated Double Top 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 Double Top Tie.</p>

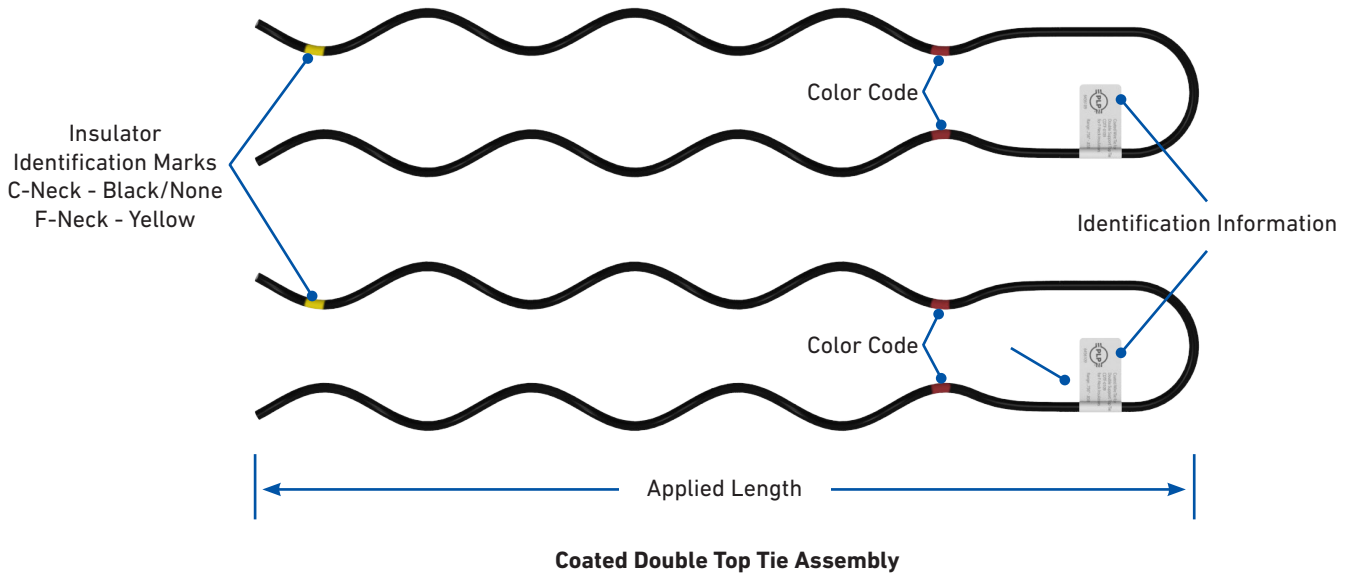
Additional Resources

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



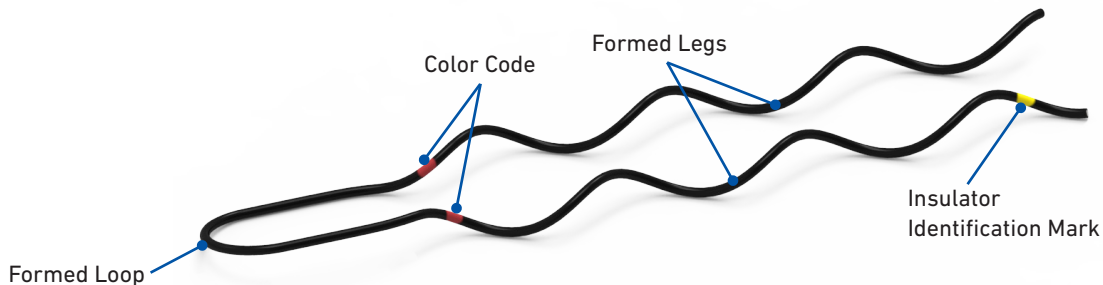
Coated Double Top Tie
Webpage

SPECIFICATIONS



Coated Double Side Tie

Component	Description
Tie Assembly	A Coated Double Top Tie assembly consists of two coated metal tie components.
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 and designates leg cross-over location.
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 Loop	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 and is the length of a single tie component.



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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 Double Top 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	25	CDTC-0201	15	11	CDTF-0101	15	11	Purple
0.316	0.357		CDTC-0202	16	12	CDTF-0102	16	12	Red
0.358	0.405		CDTC-0203	16	13	CDTF-0103	16	13	Yellow
0.406	0.459		CDTC-0204	15	14	CDTF-0104	15	14	Blue
0.460	0.520		CDTC-0205	15	16	CDTF-0105	15	16	Orange
0.521	0.588		CDTC-0206	16	17	CDTF-0106	16	17	Red
0.589	0.665		CDTC-0207	17	18	CDTF-0107	17	18	Purple
0.666	0.755		CDTC-0208	18	19	CDTF-0108	18	19	Brown
0.756	0.858		CDTC-0209	22	20	CDTF-0109	22	20	Red
0.859	0.968		CDTC-0210	23	22	CDTF-0110	23	22	Blue
0.969	1.096		CDTC-0211	24	23	CDTF-0111	24	23	Green
1.097	1.240		CDTC-0212	26	24	CDTF-0112	26	24	Yellow
1.241	1.402		CDTC-0213	29	24	CDTF-0113	29	25	Orange
1.403	1.585		CDTC-0214	32	25	CDTF-0114	32	26	Black/None