

COATED DOUBLE SIDE TIE

Coated Double 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 Double Side Ties are designed for installation on double insulator construction in the side 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 80-degrees (40-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 side groove radius.
Line Angles - General Guidelines	<p>On vertically mounted insulators, Coated Double Side Ties can normally accommodate line angles up to 80-degrees, with no more than a 40-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 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-1008-E covers the mechanical testing of the Coated Double Side Tie and is available upon request.</p> <p>The Coated Double 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 Double Side Tie.</p>

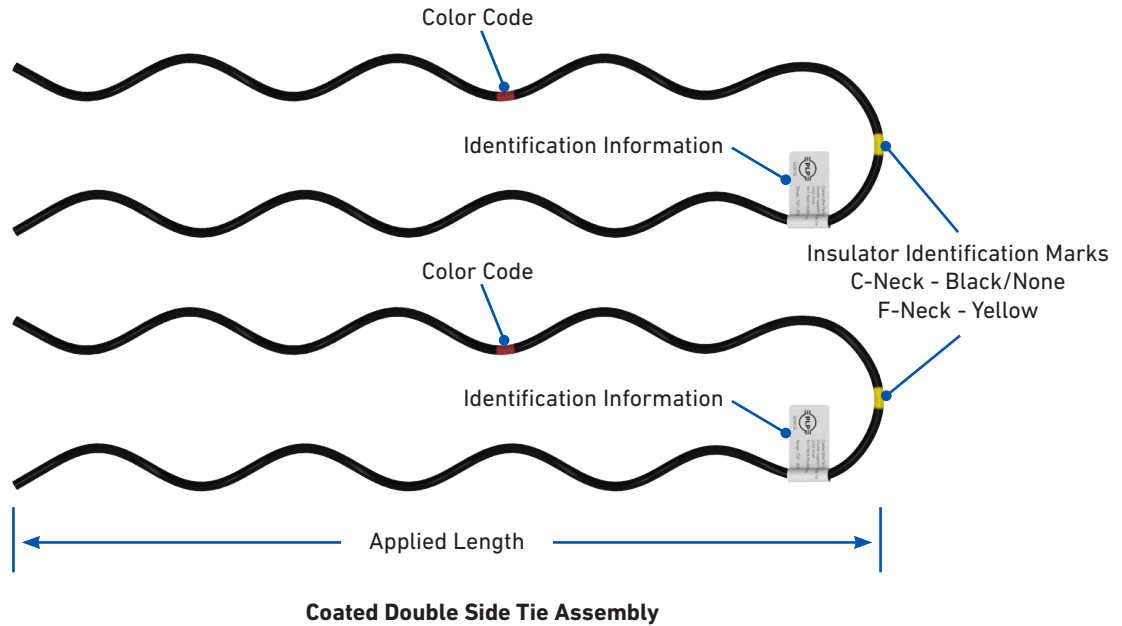
Additional Resources

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



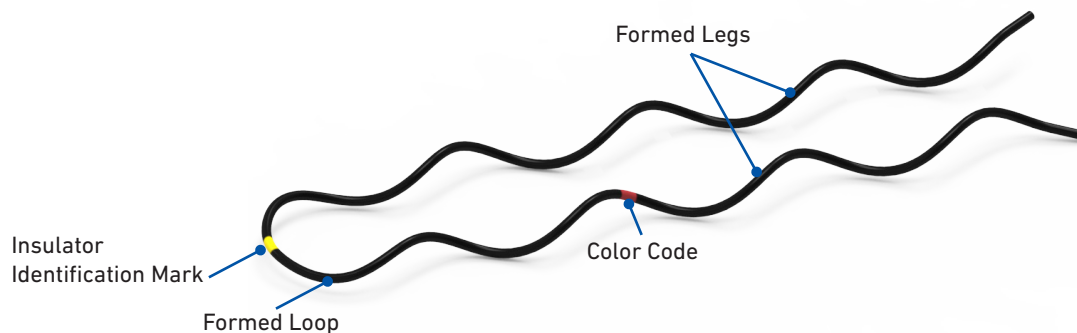
Coated Double Side Tie
Webpage

SPECIFICATIONS



Coated Double Side Tie

Component	Description
Tie Assembly	A Coated Double Side 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.
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 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	25	CDSC-0201	16	11	CDSF-0101	16	11	Purple
0.316	0.357		CDSC-0202	17	12	CDSF-0102	17	12	Red
0.358	0.405		CDSC-0203	16	13	CDSF-0103	16	13	Yellow
0.406	0.459		CDSC-0204	18	14	CDSF-0104	18	14	Blue
0.460	0.520		CDSC-0205	20	16	CDSF-0105	20	16	Orange
0.521	0.588		CDSC-0206	19	17	CDSF-0106	19	17	Red
0.589	0.665		CDSC-0207	21	18	CDSF-0107	21	18	Purple
0.666	0.755		CDSC-0208	21	19	CDSF-0108	21	19	Brown
0.756	0.858		CDSC-0209	21	20	CDSF-0109	21	20	Red
0.859	0.968		CDSC-0210	23	22	CDSF-0110	23	22	Blue
0.969	1.096		CDSC-0211	24	23	CDSF-0111	24	23	Green
1.097	1.240		CDSC-0212	24	24	CDSF-0112	24	24	Yellow
1.241	1.402		CDSC-0213	28	24	CDSF-0113	28	25	Orange
1.403	1.585		CDSC-0214	31	25	CDSF-0114	31	26	Black/None