



# W963 Plysafe® EPR High Voltage Tape

## INSULATING AND JACKETING TAPE FOR USE THRU 69KV

- 1 Self-amalgamating
- 1 Outstanding corona and ozone resistance
- 1 UV Resistant
- 1 Excellent moisture, corrosion and chemical resistance

**RECOMMENDED USES:** For insulating and jacketing of splices on power cable from 600 volts through 69,000 volts and for building stress cones and jacketing of terminations on power cable from 600 volts thru 35,000 volts. Moisture seal for all water-proofing needs and insulating and protecting bus components. Due to its high stable mechanical and chemical properties, W963 Plysafe is ideal for cable jacket repair and restoration.

### STANDARD SIZES:

- 1 3/4 in. x 30 ft.  
19mm x 9m
- 1 1 in. x 30 ft.  
25mm x 9mm
- 1 1 1/2 in. x 30 ft.  
38mm x 9mm
- 1 2 in. x 30 ft.  
51mm x 9m
- 1 2 in. x 33 ft.  
50mm x 10m

**DESCRIPTION:** W963 is an ethylene propylene rubber based high voltage tape possessing excellent electrical, chemical, and physical properties. W963 Plysafe is a self-amalgamating tape that maintains a tight insulation build-up for void free electrical stability and permanent resistance to moisture penetration. The excellent stretch of W963 Plysafe permits fast taping speeds and uniform build-up with normal taping techniques. W963 Plysafe is compatible with all extruded dielectric cable insulations.

## SPECIFICATIONS

PROPERTY	VALUE	UNIT	TEST METHOD
<b>PHYSICAL</b>			
Color	Black	-	-
Thickness	0.030	inch	ASTM-D-4325
	0.762	mm	
Tensile Strength	350	psi	ASTM-D-4325
Elongation	750	%	ASTM-D-4325
Fusion	5/64 max.		inch
ASTM-D-4325			
Heat Resistance	130	°C	ASTM-D-4325
Operating Temperature			
Continuous	90	°C	ASTM-D-4388
Emergency Overload	130	°C	ASTM-D-4388
<b>CHEMICAL</b>			
Water Absorption	0.06	%	ASTM-D-570
Ozone Resistance	Pass	Visual	ASTM-D-4325
UV Resistance	Pass	Visual	ASTM-D-4325
<b>ELECTRICAL</b>			
Dielectric Strength	750	V/mil	ASTM-D-4325
Dielectric Constant			
24h @ 23°C	2.7	-	ASTM-D-4325
168h @ 70°C	2.9	-	ASTM-D-4325
Dissipation Factor			
24h @ 23°C	0.005	-	ASTM-D-4325
168h @ 70°C	0.015	-	ASTM-D-4325
Volume Resistivity			
96h @ 28°C, 50%RH	10 <sup>16</sup>	ohm-cm	ASTM-D-4325
96h @ 23°C, 96%RH	10 <sup>15</sup>	ohm-cm	ASTM-D-4325
U-Bend	>1000	hours	IPCEA S-19-81

Data in table represent average test results and are not to be used for specification purposes. The product user should make his/her own tests to determine the product's suitability for the intended use.

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