



WIRE ARMOUR

Part No. 46-130C Series



Specifications

An ethylene rubber based, high voltage tape possessing excellent electrical, chemical and physical properties. Use 46-130C linerless, self-bonding tapes when insulating and jacketing splices on power cable from 600 volts to 69,000 volts. Allows quicker taping speeds than liner tape and yields a uniform, void-free build-up while contouring unusual shapes.

Technical Characteristics

Property	Value	Unit	Test Method
Color	Black	---	---
Thickness	0.03	inch	ASTM D 4325
	0.76	mm	ASTM D 4325
Tensile Strength	334	Psi	ASTM D 412
	2.3	MPa	ASTM D 412
Elongation	950	%	ASTM D 4325
Fusion	2 max	%	ASTM D 4325
Heat Resistance	266 / 130	°F / °C	ASTM D 4325
Operating Temp. Continuous	194 / 90	°F / °C	ASTM D 4325
Emergency Overload Temp.	266 / 130	°F / °C	ASTM D 4325
Water Absorption	0.06	%	ASTM D 570
Ozone Resistance	Pass	Visual	ASTM D 4325
UV Resistance	Pass	Visual	ASTM D 4325
Dielectric Strength	39.5	kV/mm	ASTM D 149
Dissipation Factor	After water immersion	0.005	ASTM D 150
	After hot water immersion	0.015	
Volume Resistivity	96h @ 23°C and 50% RH	1×10^{16}	ASTM D 257
	96h @ 23°C and 96% RH	1×10^{13}	
		$\Omega \cdot \text{cm}$	

Features:

- 30 mil thickness
- Linerless, self-bonding
- Excellent ozone resistance
- High thermal conductivity
- Flame retardant
- Excellent moisture, corrosion and chemical resistance
- Lead free

Recommended Uses:

Used for insulating and jacketing of splices on power cable from 600 through 69K volts and for building stress cones and jacketing of terminations on power cable from 600 through 35K volts. Insulate and protect bus bars and joints.

Standard Sizes:

Cat. No.	Size
46-130C-3/4x30	3/4" x 30'
46-130C-1x30	1" x 30'
46-130C-1-1.5x30	1-1/2" x 30'
46-130C-2x30	2" x 30'

Information provided is for reference only. Data in table represents average test results and are not to be used for specification purposes. The product user should make their own tests to determine the products suitability for the intended use.

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