

Politube Transformer Products

Insulation Products for Transformers

Poli-Cable

DESCRIPTION:

Copper cable is wrapped with electrical grade crepe paper convolutely to a specified length and wall build

SPECIFICATIONS OF WIRE:

	<u>60 Hz</u>	<u>Impulse:</u>
3 layers	15 KV	47
5 layers	28 KV	87
10 layers	43 KV	126
15 layers	50 KV	150

<u>Sizes:</u>	<u>Standard Stranding</u>	<u>Maximum: Length</u>	<u>Sizes:</u>	<u>Standard Stranding</u>	<u>Maximum Length</u>
#14	19/.0142	36"	1/0	259/.0202	264"
#12	19/.0179	36"	2/0	133/.0316	264"
#10	19/.0225	48"	4/0	133/.0399	264"
# 8	19/.0284	48"	250 mcm	133/.0433	264"
# 6	19/.0372	72"	300 mcm	259/.0340	264"
# 4	61/.0253	72"	350 mcm	427/.0285	264"
# 2	61/.0330	72"	450 mcm	427/.0325	264"

SPECIFICATIONS OF PAPER:

- ◆ Thickness of base paper -- .003"
- ◆ Thickness of crepe paper-- .012"
- ◆ Elongation % -- 50
- ◆ Tensile-- 20 lbs
- ◆ Density-- .28
- ◆ Dielectric strength in air—100 volts per mil
- ◆ Dielectric strength in oil – 770 volts per mil

OVER

APPLICATIONS:

Coil lead extension to:

- A. Tap changers
- B. Bushings
- C. Jumpers
- D. Grounding

ADVANTAGES OF POLI-CABLE:

- ◆ Maximum dielectric strength per wall build versus spiral wrap cable
- ◆ Flexibility due to convolute wound crepe
- ◆ Lower % of glue versus spiral wrap cable
- ◆ Lower applied cost versus spiral wrap cable

Poli-cable can be purchased in cut to length pieces, stripped on each end with specified terminals applied on ends.

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DATA REPRESENTS NOMINAL VALUES AND SHOULD NOT BE USED FOR DESIGN PURPOSES