

NOMEX TAPE WIRE



Insulation Description: Aromatic Polyamide Tape

Thermal Class: 220°C

Conductors: Copper and Aluminum

Shapes: Round, Rectangular, Square

NEMA Specifications: MW 60-C, 60-A, 61-C & 61-A

IEC Specifications: 60317-52; 60317-53

Alconex Specifications: Alconex Aluminum and Copper Specification

TYPICAL APPLICATIONS

Dry-type transformers, specialty transformers, oil-filled transformers, utility transformers, power transformers, distribution transformers, power generation, and lifting magnets.

FEATURES AND BENEFITS

- Nomex™ 410 offers high dielectric strength properties, mechanical toughness and high flexibility.
- Nomex™ is most commonly used with varnishes and resins, as well as transformer oils.
- Typical tape thicknesses used for wrapping conductor is 2 mil. Other thicknesses are available upon request
- Most common construction utilizes two tapes with 50% overlap. Minimum overall increase in insulations thickness for 2 mil tape utilizing two tapes is 7 mil, per NEMA MW 1000-2018. Typical is 8 mil increased in total build.
- Dielectric breakdown of not less than 300 V/mil of the minimum thickness of paper covering one side or half the minimum increase in build, per NEMA MW 1000-2018.

WIRE EDGE CONDITIONS

Radius corner, fully rounded edge, round, and trapezoidal.



INSULATION CLASS	220°C
THICKNESS	2 mil standard
BUILDS	0.008 and up
DIELECTRIC CONSTANT	1.6 (@ 60 Hz)
DISSIPATION FACTOR	4 (@ 60 Hz)

Product safety information is available upon request. This information corresponds to our current knowledge on the subject. It is offered solely to provide possible suggestions for your own experimentation. It is not intended, however, to substitute for any testing you may need to conduct to determine for yourself the suitability of our products for your particular purposes. This information may be subject to revision as new knowledge and experience become available. Since we cannot anticipate all variations in actual end-use conditions, Alconex makes no warranties and assumes no liability whatsoever in connection with any use of this information. Nothing in this publication is to be considered as a license to operate under or a recommendation to infringe upon any trademark or patent right.

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