

# PE2-PA WINDING WIRES

FOR SUBMERSIBLE MOTORS

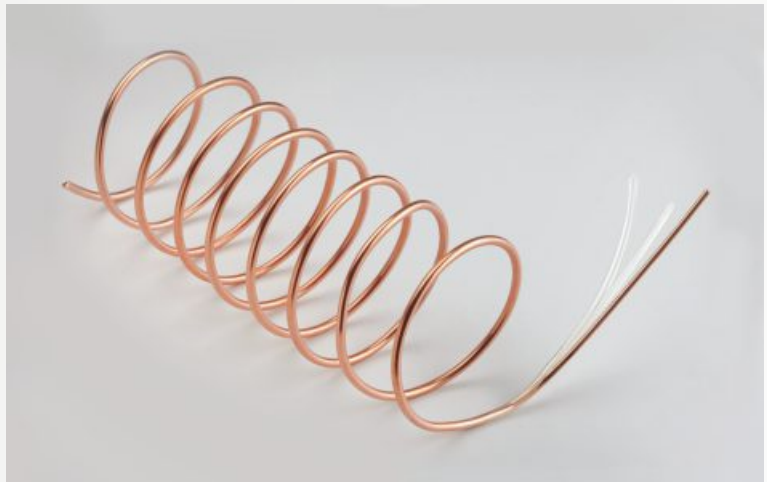


HIGH GRADE INSULATION

**PE2-PA WINDING WIRE**  
for Submersible Motors



# HIGH GRADE INSULATION



VANSAN PE2-PA winding wire consist of a solid copper conductor insulated with Polyethylene (PE2) and Polyamid (PA). PE2 sheath provides good electrical protection and a Polyamid (PA) sheath provides good mechanical.

# PE2-PA WINDING WIRE

for Submersible Motors

**VANSAN is the only submersible motor manufacturer in the World that produce the PE2/PA winding wire in its own factory.**

VANSAN winding wires, outfitted with a high-grade insulation, offer high quality for submersible motors and guarantee trouble free operation and long motor life.

VANSAN manufactures its product in accordance with its own in-house Quality Management System which has been certified by Bureau Veritas in accordance with ISO 9001:2015.

PE2-PA insulated winding wire are generally used in submersible motors operating under higher voltages and temperatures up to 50 centigrade degrees. The increased resistance to heat is achieved by cross-linking the polyethylene.

VANSAN produces PE2-PA winding wire between 0.8mm - 3.4mm diameters.



## Features

- ✓ *High resistance against voltage fluctuation*
- ✓ *Superior performance at 50°C operating temperature*
- ✓ *Long motor life*
- ✓ *Smooth surface finish*
- ✓ *Easy winding softness*
- ✓ *Gives more safety factor than standard motors*

## Mechanical Properties

Tensile Strength	IEC 60811-1-1	23°C (±5)	≥ 10 N/mm <sup>2</sup>
Elongation	IEC 60811-1-1	23°C (±5)	≥ 100
Dielectric Constant (800Hz)	DIN 53483	20°C	2,3%
Specific Insulation Resistance	IEC 60093	20°C	10 Ω cm
Dielectric Breakdown Strength (50Hz)	DIN VDE 0303-21	20°C	70 kV/mm
Tensile Strength After Aging (7x24h)		80°C	≥ 10 N/mm <sup>2</sup>
Elongation at Break After Aging (7x24h)		80°C	≥ 100%

***Superior Submersible Motor Performance  
at 50°C operating temperature***



