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PLASTIC INSULATED WINDING WIRES

Windings Wires For Submersible Motors

DESCRIPTON

Submersible electric motors must function under water (or other fluids) and thus the winding wire must utilise a high quality insulation which is impervious to liquids.
PAR Plastic Insulated Winding Wires are specially designed to meet this application. Our wires have proven durability and reliability over many years, ensuring trouble-free operation and long motor life.

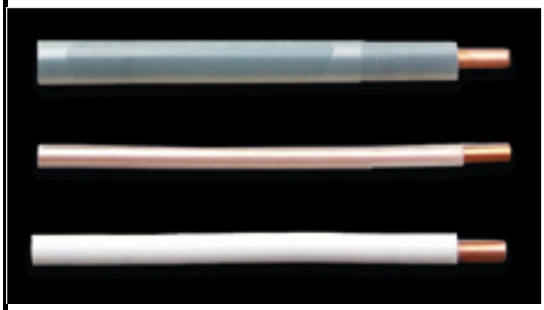
CONSTRUCTION/INSULATION

PAR Plastic Insulated Winding Wires consist of a solid or multi-stranded bare copper conductor with a choice of the following insulation:

Ref.	Insulation	Temp. Rating*	Maximum Voltage
PVC	Poly Vinyl Chloride insulation	70°C	1,000V
PE2/PA	Cross linked Polyethylene insulation (PE2) with Polyamide (PA) sheath	90°C	1,000V 3,000V
HL/PE2/PA	Semi-conducting layer (HL) with cross linked Polyethylene insulation (PE2) and Polyimide (PA) sheath	90°C	6,000V
HT4	High temperature insulation	115°C	690V

**Temperature ratings are valid for winding wires under normal mechanical stress. The temperatures must be reduced if necessary in the case of winding wires subject to pronounced mechanical loading.*

Solid Copper Conductors



HL/PE2/PA

PE2/PA*

PVC*

**Standard insulation*

Stranded Copper Conductors

DESIGN

Solid conductor	Diameter 0.6 - 4.6mm, Cross section 0.283 - 16.6mm^2
Stranded conductor	Diameter 4.5 - 17.1mm, Cross section 3.5 - 150mm^2
Insulation wall thickness	From 0.3mm but dependant upon dimensions & voltage
PA Sheathing wall thickness	From 0.1 - 0.2mm dependant upon OD of insulated conductor
HL Semi-conductive layer	0.15 - 0.3mm thickness dependant upon conductor diameter

**Special dimensions available upon request.*