Thanks to our customers and suppliers partnerships, to our effort in research and equipment investment De Angeli Prodotti developed insulated wires with Glass and Polyester Daglas blended yarns. New copper and aluminium conductors are available to satisfy all applications where insulation has to pass the most severe mechanical, thermal and dielectric tests. Our skilled workforce (250 people) in our plant in Italy (combined area of 60.000 square meters) is pleased to serve both the European and Mediterranean markets. Some of the applications are:
- Rotor and stator winding for high power electric motors
- Rotor and stator windings for traction motors
- Stator coil of turbine generator
- Nuclear power and wind generator etc.

We provide tape insulated conductors, in round or rectangular cross-section, for high performance winding wires. We wrap both Aluminium and Copper wires with specific Mica tapes, in order to satisfy the most severe applications in terms of mechanical and thermal resistance.

FIBRE GLASS
Type of insulation
- Impregnated glass yarn
- Enamelled impregnated glass yarn
- Daglas (glass/polyester) yarn with or without coating
- Enamelled Daglas (glass/polyester) yarn with or without coating

Options of insulation
- 2, 3 or 4 butt-lapped, overlapped, same direction or crossed yarns

Standards
- IEC 60317-31, IEC 60317-32, IEC 60317-33
- BS 5304

Conductor material
- Copper and Aluminium flat and round wires

Physical state
- Hard or soft

COPPER AND ALUMINIUM

Thermal class
- Type of insulation / °C
- Mica/PETP / 155
- Mica/Nomex / 155
- Mica/PETP / 155
- Mica/glass / 155
- Daglas (glass/polyester) yarn with or without coating / 155

Specific applications for Mica conductors are:
- Inverter driven motors
- High Voltage transformers
- Traction Motors

MICA

Type of insulation
- Mica/PETP
- Mica/PETP/microwax
- Mica/glass
- Mica/glass/PETP
- Mica/Nomex

Options of insulation
- 1 ÷ 4 butt-lapped, overlapped, same direction or crossed tapes

Standards
- According to customer’s specifications

COPPER

Metal / mm
- Width
- Thickness
- Section
- 60 - 150 mm²
- 600 - 2000 mm²

ALUMINIUM

Metal / mm
- Width
- Thickness
- Section
- 600 - 2000 mm²

Standard dimensions
- Flat:

Diameter / mm
- 1.00 - 5.00
- 10.00 - 50.00

Round:

Diameter / mm
- 2.50 - 5.00
- 10.00 - 50.00

Packaging
- in 500, 1000, 5000 in accordance to DIN 46299