

# SILICOUL<sup>®</sup>

1.1 kV to 15 kV



## FLEXIBLE MEDIUM VOLTAGE CABLES

**-60°C to +180°C**

- High flexibility
- High temperature
- High current carrying capacity
- Good resistance to thermal shock and UV
- Excellent mechanical strength
- Dry coating version



**omerin**  
LES CABLES DE L'EXTREME

## Applications

Thanks to our silicone expertise and total mastery of our electrical cable manufacturing processes, our R&D engineers have developed the **SILICOUL®** range for medium-voltage applications in environments requiring high temperature resistance and high flexibility. Moreover, **SILICOUL®** decreases copper cross-section compared to other usual medium voltage cables (for a same maximum permissible current in permanent mode).

They are mainly used for lead wire or cable for engines, electrical motors, power cabinets, generator of wind turbine, other rotating and static machines. This range of **flexible medium voltage cables** is intended for sectors like electromechanical, electrical technology and engineering, shipbuilding and railway construction, data center, wind energy, etc.

## Characteristics

- Voltage ratings: **1.1 to 15 kV**
- Operating temperature: **-60°C to +180°C**
- High current carrying capabilities
- Excellent dielectric strength
- Excellent mechanical strength
- Good resistance to thermal shock and UV
- Improved fire behaviour
- **Lloyd's Register** approval certificates
- **Bureau Veritas** approval certificates
- **UL versions** Style 3661, 3662, 3663, 3664
- Dry coating version



## Construction

### EXCELLENT DIELECTRIC STRENGTH & HIGH TEMPERATURE RESISTANCE

Extruded **silicone** rubber insulation (high grade corona resistant insulation material)

### HIGH FLEXIBILITY

Flexible tin plated copper core  
**Class 5 acc. IEC 60228**  
(Class 6 on request)  
From 1.5 mm<sup>2</sup> to 630 mm<sup>2</sup>

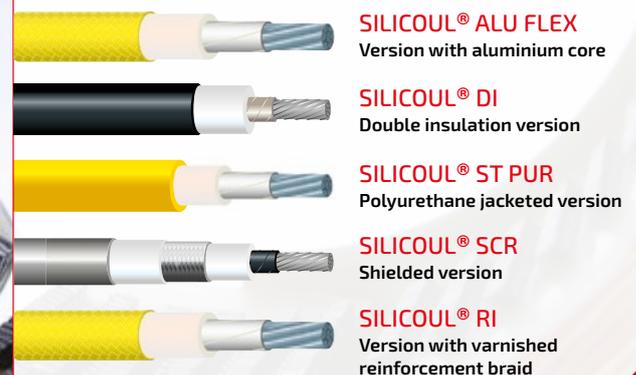
### EXCELLENT MECHANICAL STRENGTH

Silicone coated **reinforcing synthetic braid**

### AVAILABLE IN 4 VOLTAGE RATINGS



### AVAILABLE IN 5 MAIN OPTIONS



> For further information about our **SILICOUL®** cables,  
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