Your one-stop source: From the rotor tip to the power grid

Cables and Wires
Connection and Fastening Technology for Wind Turbines
WIND TURBINES: FUNCTIONAL OVERVIEW

NACELLE

Oil-resistant cables for high temperatures
• highly flexible control and bus cables for heavy mechanical loads in rough environments of rotating components
• hybrid cable solutions with increased current carrying capacity for the supply and control of the pitch drive (rotor blade adjustment), from the slip ring through the hollow gearbox shaft to the hub
• torsion-resistant, fire detection cable
• copper and fibre optic data and communication cable

TOWER BASE

Multi-wire and finely stranded power cables
• aluminium and copper cables
• 0.6 / 1 kV to 35 kV for direct burial
• conduit systems

Connection to the grid
Medium-voltage cables
• aluminium and copper cables
• all voltage levels, cross sections up to 1000 mm²
• length and laterally watertight
Connection & indoor termination sleeves
**TOWER**

**Aluminium & copper cables**
- multi-wire and finely stranded versions, as well as specific alloys
- 0.6/1 kV – 35 kV
- VDE, CE, UL/CSA listed
- fastening systems from leading manufacturers

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**LOOP**

**Torsion-resistant cables of the HELUKABEL WK series**
- tested for more than 15,000 torsion cycles
- for climate zones from -40°C to +145°C
- oil, ozone and UV-resistant
- multiple approvals available
- cable grips

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**LIFT**

**HELUKABEL WK Lift Cables**
- supply cables for lifts
- as carriage version for mid-level feed-in, optional as flat cables
- high bending and abrasion resistance
- CE & UL/CSA approvals

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**CONNECTORS**

**Extensive connectivity solutions**
- CU/CU – AL/AL – AL/CU
- available as crimp and screw fitting version
- crimp tools: electro-hydraulic, hand-held press tools
Answer by Fax: +49 7150 970819

What can we do for you?

- Cables & Wires Catalogue
- Cable Accessories Catalogue
- Data, Network & Bus Technology Catalogue
- Media Technology Catalogue
- Wind Turbines Catalogue
- Aluminium Catalogue
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- Sales representative visit

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