

Wind Turbine Market Solutions

With advancements in technology and the growing demand for renewable energy, the need for reliable and high-quality industrial wiring and cables is increasing. At Amphenol TPC, we offer a wide range of durable and reliable cable products designed to withstand the demanding conditions of wind turbine environments.



Slip Ring Harness

Built to reduce downtime and speed up installation—even in freezing conditions. It offers excellent resistance to abrasion, oil, chemicals, and UV exposure, while flexible conductors allow easy routing in tight turbine spaces. Custom options are available to meet your specific wind energy needs.

Engineered to Resist



Abrasion



Chemicals



Flexing

- ✓ Built with Highly Flexible Trex-Onics® Cable
- ✓ SC102470 Cable Part No. Used in Assemblies
 - 8/5+14/14+8/3PR under jacket
- ✓ Industry-Compatible- Direct replacement for GE 1.5 NON-ESS Turbine models
- ✓ Assembly Stripped & Labeled with Ferrules on the Ends
- ✓ Precision Conductor Positioning

Additional configurations for various models are available



Super-Trex® Type MV-105 Medium Voltage Cable



5kV and 15kV Ratings

133% Insulation Level

Max Conductor Temperature 105°C

Engineered to Resist



Abrasion



Cold Temperatures



Flexing

- ✓ Finely Stranded Tinned Copper Conductors
- ✓ Combo Semi-Conductive Tape and Extruded Semi-Conductive TSE Conductor Shield



Super-Trex® Single Conductor Power Cable



2000V

Max Conductor Temperature 90°C

Type RHH/RHW-2

Engineered to Resist



Abrasion



Chemicals

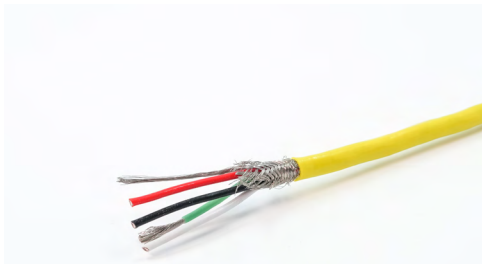


Flexing



Impact

- ✓ Finely Stranded Tinned Copper Conductors
- ✓ Mylar Separator
- ✓ TSE jacket protects from abrasion-ideal for cables that experience movement or impact during yaw rotation in wind turbines



Chem-Gard® 200 Shielded Multi Conductor Cable



600V

Max Conductor Temp 200°C

Cold Temp Rating -60°C

FT1 Flame Rating

Engineered to Resist



Flexing



High Temperature



Cold Temperature

- ✓ Finely Stranded Nickel-Plated Copper Conductors
- ✓ Specially Compounded Fluoropolymer Insulation & Jacket
- ✓ High Temperature Fluoropolymer Fillers

Excels in

Assembly: Yaw Motors

We've Got You Covered!

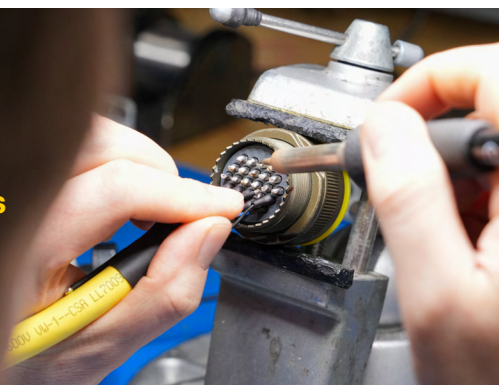
Amphenol TPC provides high-performance cables engineered with cost-saving durability designed for use in a number of industry-specific applications.

Our products are built to perform in key areas of wind power systems, including:

- **Nacelle** – Flexible, high-temp cables for generators, pitch, and yaw systems
- **Tower** – Rugged power, control, and lighting cables resistant to vibration and flexing
- **Base & Hub** – Reliable cable assemblies for braking systems and power distribution
- **Slip Rings & Cable Management** – High-flex torsion-rated cables built for continuous motion
- **SCADA & Communication** – Shielded cables for data transfer and system control
- **Grounding & Lightning Protection** – Durable bonding cables and accessories
- **Underground & Substation Connections** – Medium voltage cables built to handle the elements



Custom Solutions



If your industrial operation requires a unique solution, Amphenol TPC offers custom-engineered products designed to your specifications. These product solutions represent a unique and valuable service offered by ATPC to save you time and money. Our engineers are focused on providing the best solutions through tested electrical, mechanical, and industrial engineering experience. No job is too complex for our team—let us design a custom solution for you!

Contact your sales rep with any questions
or [start configuring your quote today!](#)



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