





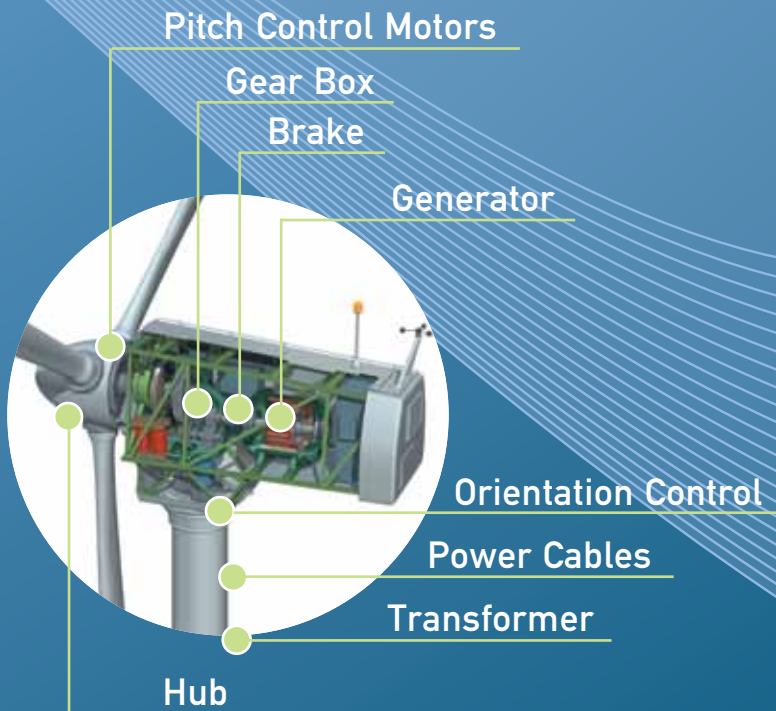


TPC WIRE & CABLE CORP.

# Wind Turbine Solutions

-  Extreme Temperatures
-  Abrasion
-  Twisting
-  Gear Oil
-  Flexing

for all wind power applications



# Slip Ring Harness

Save down-time hours and get back on line faster. TPC designed slip ring harnesses are easy to install, flexible, abrasion resistant, and resistant to oil, chemicals and UV. Conductors are designed to be highly flexible (even in cold weather) for easy installation in tight working areas. We will custom design a harness for your specific turbine.



*Stiff OEM harness is difficult to install and subject to premature failure.*



*TPC harness is rugged, flexible, easy to install and less likely to fail.*

# Assemblies



## Field Installable Mini and Micro Connectors

Easy to install for quick on-site repair. Available in both male and female and straight and 90° connectors, 3, 4 and 5 pole. IP67 rating provides internal protection from dust and fluid spray.



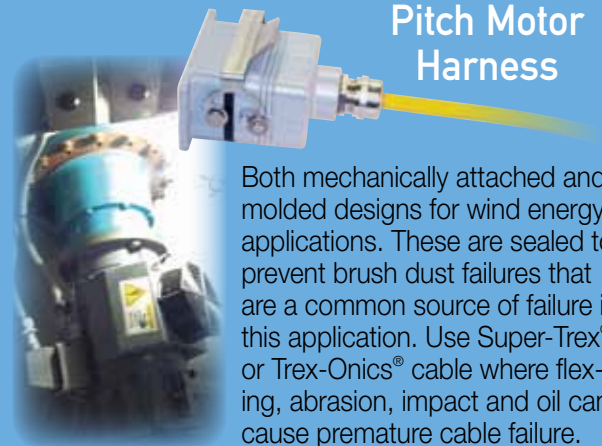
## RJ45 Cable Assemblies

Eliminate downtime from broken/flimsy connectors. This ruggedized connector is easy to install into panels. Paired with Trex-Onics cable, it has an insertion/extraction life of 1,000 cycles.



## Locking Cam-Lock Assemblies – up to 700 amps

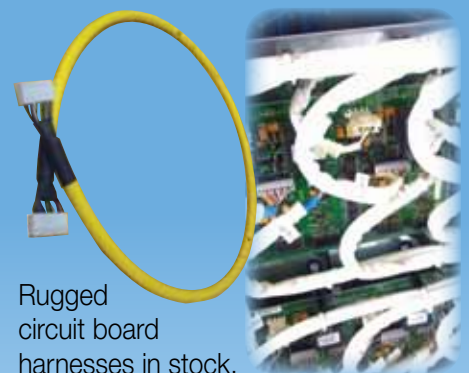
Provides secure, quick-connect power. Watertight IP69K rated. Cam-Lock design is a secure twist lock connection which prevents accidental disconnects. Can be used to quickly connect/disconnect power runs. 2 AWG to 750 MCM, up to 2000V. Pull tested to 2000 lbs.



## Pitch Motor Harness

Both mechanically attached and molded designs for wind energy applications. These are sealed to prevent brush dust failures that are a common source of failure in this application. Use Super-Trex® or Trex-Onics® cable where flexing, abrasion, impact and oil can cause premature cable failure.

## Circuit Board Harness



Rugged circuit board harnesses in stock.

# Cables

## Ethernet CAT5e, CAT6A, CAT7A, DeviceNet™, PROFIBUS®, ControlNet RG6-6U Cables and Assemblies

Designed for heavy duty industrial applications, these communication cables are recognized for their flexibility and resistance to oils and chemicals.

## Encoder Resolver/Intrinsically Safe Cable

The heavy duty polyurethane jacket provides excellent protection against cutting, abrasion, oil and chemicals. Available in Security Yellow or Intrinsically Safe Blue. A smart choice for variable speed motors and proximity switches.

## Continuous Flex Multi-Conductor Cable

Extremely durable in flexing applications – exceeds 25 million cycles. Overall heavy-duty tinned copper braid shield protects from EM and RF interference. Mechanical strength and flexibility result in less turbine down-time.

## Portable Equipment Power Cables

Suitable for Class 1, 2, 3 – Division 1 & 2, TPC's portable power and automation cable is extremely flexible to withstand impact, chemical exposure and direct flame.

## Main Power – Single Conductor Cable/DLO

Highly flexible, low smoke UL 1685, FT-4, VW-1, oil and sunlight resistant, rated 2000 Volt. Combine with Locking CamLock for quick, easy change-out.



# Accessories



## Adjustable Cable Strap

Quick, easy, reusable cable support. Will not abrade or cut into cable jacket. Available in two lengths to accommodate any size cord bundle. The industrial strength nylon hook and loop design is lightweight and can be installed and/or repositioned quickly.

## Cable Stripper

Easy to use, quick and safe cable stripping. All TPC tools are RoHS compliant and designed for industrial use.



## Vulko-Wrap™

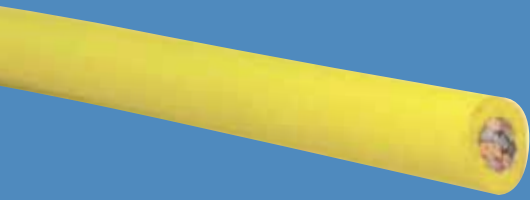
Adhesive-free. Silicone, high dielectric, self-vulcanizing insulation wrap. Two wraps provides approximately 12kV dielectric strength. Adheres only to itself and leaves no sticky residue. Easily conforms to odd shapes.



## Hy-Trex® Shrink Tubing

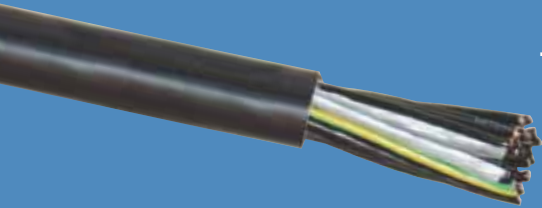
Self-sealing, high dielectric strength to 24k Volts. Provides abrasion protection, strain relief, dielectric protection, corrosion protection.

# Designed for abusive industrial environments



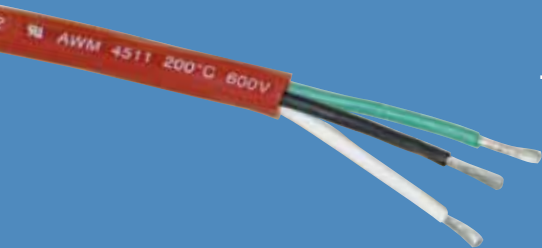
## SUPER-TREX®

A very rugged line of cables which includes both single and multi-conductor configurations ranging from 600 volts to 2000 volts. These products are designed primarily for power and control applications where cables may be exposed to tension, reeling, flexing, cutting, abrasion, impact and heat.



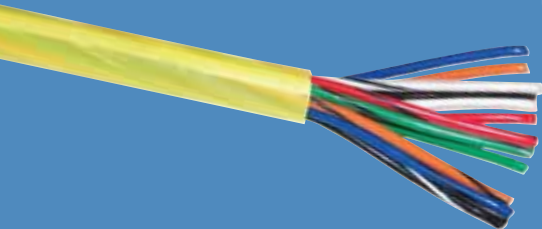
## TREX-ONICS®

Designed for constant flexing applications such as cable carriers and robotics, this product line is designed to provide a high level of resistance to abrasion and cutting. Trex-Onics products include power cables and shielded multi-conductor cables for instrumentation, control and communications.



## THERMO-TREX®

High temperature cables and accessories designed for temperatures ranging from 400°F up to an extreme of 3000°F. This line includes power and control cables as well as a line of thermo-couple cables.



## CHEM-GARD™

Designed for a broad range of applications where heat, cold or extreme chemical exposure can affect cable performance. Chem-Gard uses a fluoropolymer insulation and jacket that gives the cable a temperature performance range from -60°C to +200°C. The fluoropolymer jacket also allows the cable to survive in very acidic, alkali or solvent based environments. Chem-Gard's unique design makes it an excellent choice for flexing and high cycling applications.

USA **800-521-7935**

FAX **866-528-2930**

CANADA **800-545-0122**

MEXICO **001-800-290-5614**

CHILE **1230-020-5842**

COLUMBIA **009-0-1-800-915-6832**

PERU **0800-53931-800-290-5614**

Ask About **CVA** | cost value analysis

[WWW.TPCWIRE.COM](http://WWW.TPCWIRE.COM)

TPC WIRE & CABLE CORP.  
9600 VALLEY VIEW RD.  
MACEDONIA, OHIO 44056



**WARRANTY AND DISCLAIMER:** Seller makes no warranties, express or implied, with respect to this product, and seller disclaims any implied warranties of merchantability or fitness for any particular purpose. Further, seller will not be responsible for any consequential, incidental or indirect damages (including, but not limited to, any loss of profit) from any cause whatsoever.

TPC1134 (5/12) PRINTED IN U.S.A. ©Copyright 2012 by TPC Wire & Cable Corp. All rights reserved. No portion of this publication, whether in whole or in part, can be reproduced without the express written consent of TPC Wire & Cable Corp.