



# Custom Solutions

Cables + Connector Assemblies + Storage Solutions

## Engineered Custom Designs

Can't seem to find a standard solution for your wire, cable or connector needs? TPC Wire & Cable provides innovative and high-performance engineered custom wire & cable solutions. We understand the many applications and harsh industrial environments your industry faces and sometimes you need a custom solution to your requirements and application needs.

We have a diverse team of electrical, industrial, and mechanical engineers to help design custom cables and cable solutions that are engineered for your specific challenges. Our custom product solutions represent a unique and valuable service offering. There is no job that our team can't tackle, and we are ready to design a custom solution for you!

## Our Solutions Portfolio

- ✓ Custom Wire and Cable
- ✓ Stainless Steel Braid Sleeving
- ✓ Cordsets
- ✓ Cable Assemblies
- ✓ Custom Cable Carrier Systems
- ✓ Custom Storage/Trailers
- ✓ Cable Reels & Enclosures
- ✓ Pendant Box Assemblies
- ✓ Custom Molded Connectors

# Custom Wire and Cable

TPC strives to deliver our customers innovative and high-performance industrial wire and cable. Our engineers can assemble the critical components of your cable into a final design that will give you a longer-lasting and cost-effective custom solution.

## Why Choose Custom Cable?

Custom cables are designed with specific attributes to endure in particular applications and environments

Custom cables are designed to meet your unique and specific requirements, ensuring maximum performance.

Using a custom cable can help you avoid system failures and replacement costs, saving you money in the long run .

### Custom Cable Capabilities Include:

- ✓ Chemical-Resistant
- ✓ High-Temperature
- ✓ High-Tension Reeling
- ✓ Low-Temperature
- ✓ Water-Resistant
- ✓ Composite Constructions
- ✓ Thermocouple
- ✓ Data Communications
- ✓ Halogen-Free
- ✓ Reduced Diameter

### Materials Available to Create your Custom Cable:



#### Conductor Capabilities

Copper  
Nickel-Plated Copper  
Silver-Plated Copper  
Tinned Copper  
Alloyed Copper



#### Insulation Capabilities

##### Thermo-Set Materials

EPR  
EPDM  
Silicone  
XLPE  
XLPO

##### Thermo-Plastic Materials

ETFE  
FEP  
TPE  
PVC

##### Other:

Ceramic  
Mica  
Mica-Glass  
Semi-Conductive



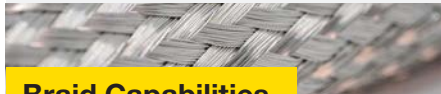
#### Jacket Capabilities

##### Thermo-Set Materials

CPE  
NBR/PVC  
Silicone  
XLPO

##### Thermo-Plastic Materials

FEP  
Polyurethane  
TPR/TPV  
SBC  
TPE



#### Braid Capabilities

Aramid  
Brass  
Fiberglass  
Polyester  
Stainless-Steel



#### Shielding Capabilities

Silver Plated  
Nickle Plated  
Aluminum/ Mylar  
Tinned Copper  
Magnetic Shielding



#### Blanket & Sleeving Capabilities

Ceramic  
Fiberglass  
Silica  
Silicone  
Reflective  
Abrasion Resistant



# Get a Quote and Start Saving Money

Based on Estimated Total Cost of Ownership

# Custom Solutions

TPC provides a vast offering of custom cable solutions for harsh industrial environments, tailored to meet your specific requirements.



## Cordsets

Fully molded, IP69K quick-connect assemblies in standard and custom lengths.



## Molded M23 Connector Assemblies

Fully over-molded while remaining low profile for use in robotics and industrial automation applications.



## Cable Carrier System

TPC's cable carrier systems are designed and built for drop in replacements, offering a fully loaded, turn-key solution.



## Molded Single Pole Power Assemblies

Fully over-molded and vulcanized to create a water-tight, IP69K bond that offers protection against dust, fluids, and oils.



## Custom Molded Connector

Rapid prototyping or production custom molds utilizing in-house SLA 3D printer.



## Custom Storage / Trailers

Ensure fast, easy, and safe deployment in temporary and emergency power situations.



## Molded Mil-Spec MIL-C-5015 and MIL-C-26482 Assemblies

TPC's molded Mil-Spec's are rated to IP69K for full protection from dust, oils, coolants, chemicals, and water.



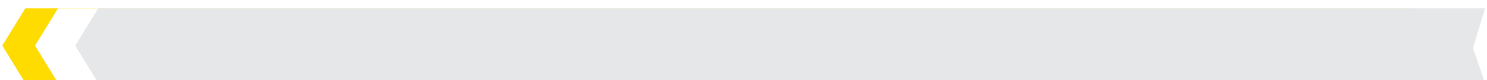
## Pendant Box Assemblies

Available in aluminum or polycarbonate, they can come pre-wired and connectorized for a plug & play solution.



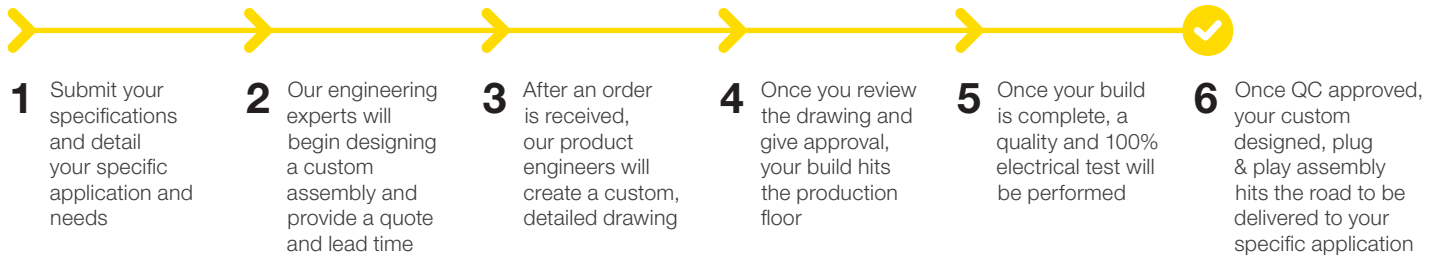
## Cable Reels & Enclosures

Offer an organized design for convenient electrical cable storage and easy deployment.



# A Fast Turnaround with Infinite Possibilities

From specification to final product, our engineering experts will turn your unique application need into a high-performance solution.



## ADD-ON SERVICE

### Premier Cable Identification

TPC custom cable and wire can also include custom cable printing and jacketing colors.



- ✓ Boost your company's branding for increased awareness
- ✓ Differentiate and identify cable types to simplify daily operations
- ✓ Provide standard directions to workers to help reduce installation errors
- ✓ Protect your property with labels that claim ownership—an effective deterrent to theft and cable misplacement
- ✓ Stand out from the competition and improve service to your customers



## Expect High Performance<sup>®</sup>

TPC Wire & Cable is a leading supplier of high-performance wire, cable, connectors, and assemblies designed and engineered to withstand harsh industrial environments. We know how critical it is that your cables and connectors be able to survive abuse from caustic chemicals, extreme temperatures, continuous flexing, impact, and abrasion. Our products help solve the most difficult application problems by reducing your downtime, labor, overall costs, and long-outlasting commodity cable.

- ✓ Wire & Cable
- ✓ Cordsets
- ✓ Cable Assemblies
- ✓ Electrical Components
- ✓ Cable Management
- ✓ Custom Solutions



**Headquarters**  
9600 Valley View Rd.  
Macedonia, Ohio 44056

**USA** 800-521-7935 / **Fax** 866-528-2930  
**Canada** 800-545-0122  
**Mexico** 001-877-283-1696  
**Chile** 1230-020-0229  
**Columbia** 0-1-800-915-7519  
**Peru** 0800-54863

[tpcwire.com](http://tpcwire.com)



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