



Industrial  
Automation

## OVERMOLDED MIL-SPEC CORDSETS



[www.turck.us](http://www.turck.us)

# OVERMOLDED MIL

## OVERVIEW

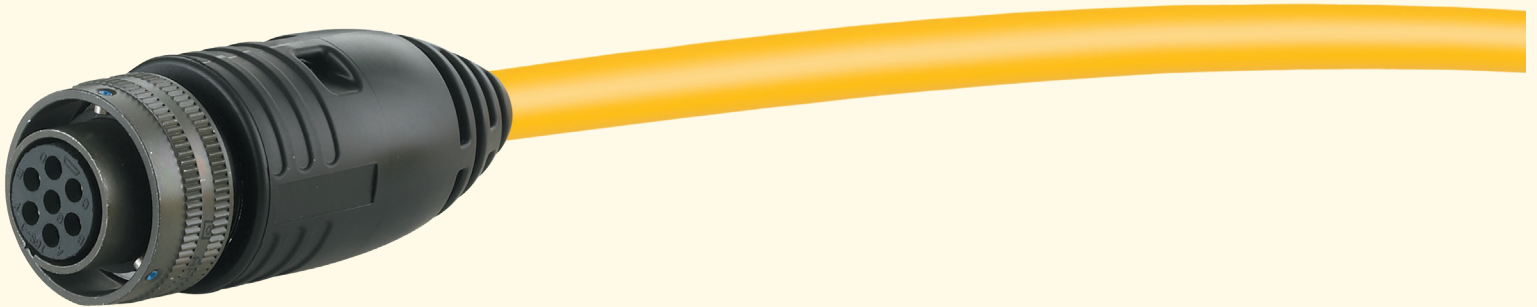
Originally, connectors that met military specifications, also known as Mil-Spec connectors, were created to ensure they met the toughest of requirements. It was quickly realized that these strict Mil-Spec standards produced products that are an ideal fit for rugged applications in areas such as automotive, mobile equipment, and oil and gas applications among many more. Connectors that meet the Mil-Spec requirements provide a robust, versatile solution for all applications, even in harsh environments.

Here at TURCK, we've dedicated the last 40 years to providing superior industrial automation products to satisfy our customers' needs. We are excited to offer you our latest connectivity solution, the overmolded Mil-Spec cordset, ideally suited to meet the demands of the harshest applications. Working seamlessly with other TURCK products and compatible with standard Mil-Spec receptacles, TURCK's Mil-Spec cordsets offer a full solution for whatever challenges your application might demand.

## THE OVERMOLDED ADVANTAGE

TURCK's connectivity and manufacturing experience with molding has allowed us to create an overmold process which allows a superior seal between the cable and connector protecting against ingress susceptibility. Traditional assembled Mil-Spec connectors come as an arrangement of components that require assembling and hand wiring before they can be used. This increases chances for mis-wiring and incurs high labor costs. With TURCK's overmolded Mil-Spec cordsets you receive a completely assembled and overmolded product that is 100% factory tested and ready to plug into your application with ease and get you working faster.

	Overmolded Mil-Spec Cordsets
Provides an Application Solution	✓
Saves Time	✓
Reduces Manual Labor	✓
Reduces Downtime	✓
Reduces Wiring Errors	✓
Provides a Turnkey Solution	✓



## THE TURCK SOLUTION

Here at TURCK, we know that no two applications are alike. That's why we offer three different connector styles of our overmolded Mil-Spec cordsets; threaded, bayonet, and reverse bayonet. In addition, we offer over 50 standard versions of our Mil-Spec cordsets to provide you with the right solution for your application.




On top of our wide standard offering, we have the ability to deliver custom products meaning that no idea is considered impossible. TURCK offers custom labeling on our Mil-Spec cordsets to enhance your company branding and to ensure seamless integration into your machine. In addition, we offer custom mold colors and custom wiring to simplify machine assembly. TURCK has the ability to provide the majority of insert arrangements within the Mil-Spec product offering ensuring that no matter what your application calls for, we have a solution tailored to your needs.



# MIL-SPEC CORDSETS

**TURCK**  
*works.*

## PRODUCT HIGHLIGHTS

	Threaded 	Bayonet 	Reverse Bayonet 
Available in shell sizes 8-24	✓	✓	✓
Meets NEMA 1, 3, 4, 6P and IEC IP67, IP68	✓	✓	✓
Allows rapid connect/disconnect		✓	✓
Provides options for higher power applications	✓		✓
Good fit for applications involving vibration factors		✓	✓
Offers higher number of pole counts for applications requiring a high number of circuits or signals		✓	
Connector “clicks” into place providing positive feedback ensuring good connection		✓	✓

## WHAT MAKES TURCK WORK?

TURCK's overmolded Mil-Spec cordsets are built to work in any and all conditions whether it's water, snow, dirt, wind, harsh temperatures, or a combination of them. To ensure our Mil-Spec cordsets deliver, we put our products through a rigorous set of tests.

### Ingress Protection

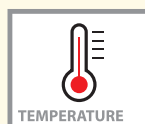
Our Mil-Spec cordsets have been tested in accordance to meet IP68 which requires the product to remain fully functional after being submerged in 6 feet of water for 24 hours.

### Harsh Environment Protection

To ensure their reliability in applications involving snow, dirt and wind we tested our Mil-Spec products to NEMA 6P which ensures protection against falling dirt, temporary submersion in water, incidental contact, and the external formation of ice on the cordset.

### Robust

TURCK Mil-Spec cordsets also undergo straight and right angle pull testing. This ensures our products meet and exceed industry standards resulting in a product built not to survive, but thrive in the harshest of applications.





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