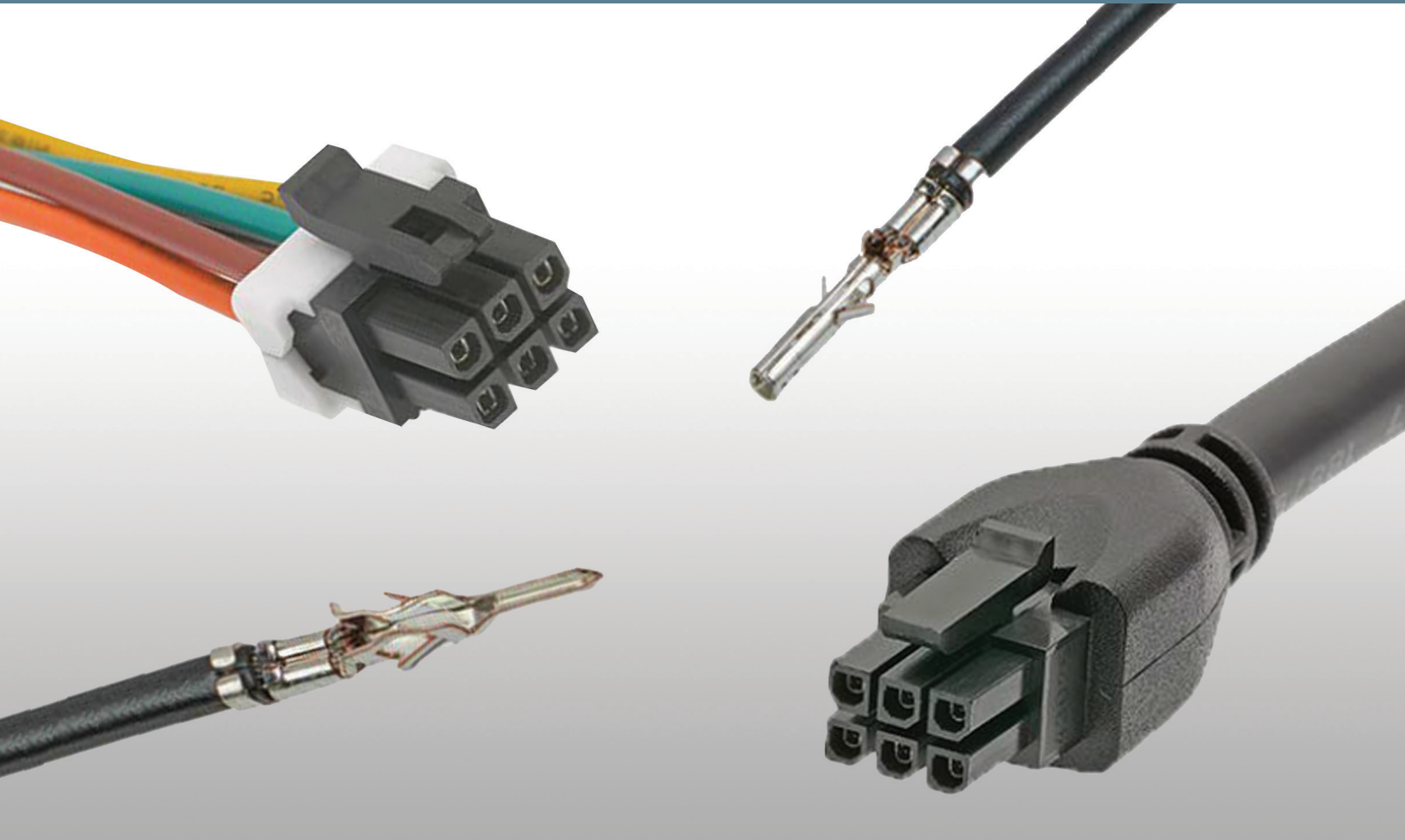


PRODUCT OVERVIEW

# Off-the-Shelf Cable Assemblies >

## Consumer and Commercial Solutions



**molex**

# Why Consider Using Off-the-Shelf Cables for Your Next Design? >

We focus our efforts on building an inclusive experience by working directly with you throughout the entire process. We offer Off-the-Shelf Cable assemblies to assist in the early prototype process, concept design and development phases. Our product portfolio focuses on reducing time to market while providing best-in-class preproduction support, quality checks and cost-reduction support.



- Customer support
- Faster lead times
- Stocked product



- Automatic drawings
- Generated 3D models
- Instant pricing available

## Early Design

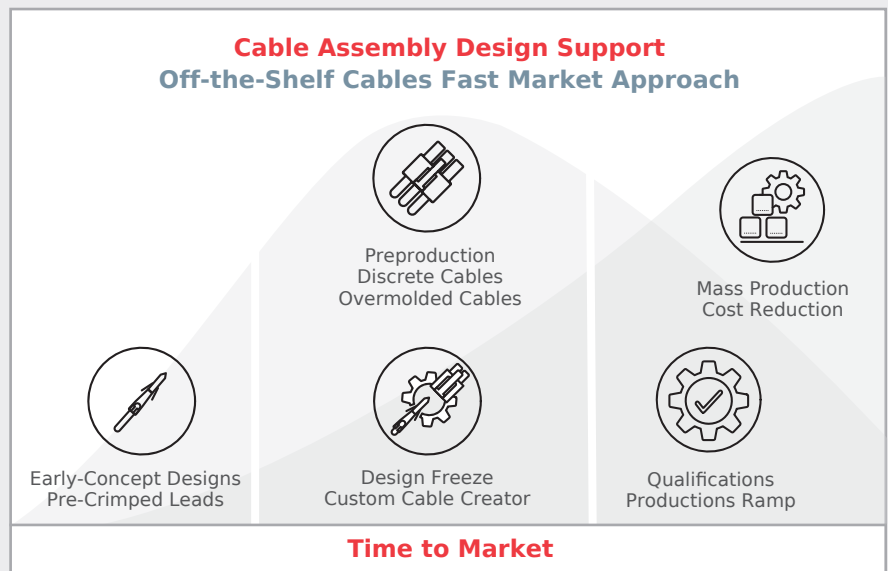
Off-The-Shelf cable assemblies and pre-crimped leads allow engineers to quickly pin out cable assemblies and test systems in days without the hassles of crimping and poking wire.

## Custom Design Revision

The cable assembly Design Guide and Custom Cable Creator allows customers to design the right length, pin-out, bundling and wire type to move into production by selecting an optimized bill of materials.

## Mass Production

Molex's industry-certified manufacturing plants support your design manufacturing from early production to high-volume, fully automated assembly based on your program requirements.



## Cable Assembly Design Support

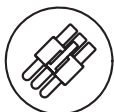
Molex cable assembly teams are available to provide **industry-leading design support** by offering multiple channels to better support your program requirements.

## Cable Assembly Channels

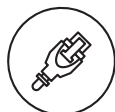
### Off-the-Shelf Cable Assemblies



Pre-crimped Leads



Discrete Cable



Overmolded Cable

Designed, qualified cable assemblies are in stock with our distribution partners. These cable assemblies have three design types to offer the most flexible prototyping and preproduction options without expensive tooling.

### Simple Design Support Team



Cable Assembly Design Guide



Custom Cable Creation

Add customization to your cable to build the exact lengths, connectors, components and pin-outs. Our easy-to-use online Creator and Design guide help to expedite development, while reducing mass production costs. Our cable support team can help take your design from prototype to production.

### Intricate Design Support Team



Local Support



Cable Assembly Engineering

Our local support teams can help to sample, prototype and design while also providing support with concept development, custom tooling and modeling for your cable design. With our expertise, we can help reduce time to market and production costs.

# Advantages >

**100%**  
Committed  
to  
Excellence

**75**  
Years of  
Manufacturing  
Experience

**Certified**  
Manufacturing  
Plants  
ISO, RoHS

**7**  
Global Cable  
Manufacturing  
Plants

## Reduced Time to Market



Global Distribution

Quality Manufacturing  
and Production

Readily Available Stock

## Unique Value



Bill of Material  
Cost-Saving Solutions

Elimination of Expensive  
Tooling Costs

Gateway to  
Custom Design

## Reduced Manufacturing Risk



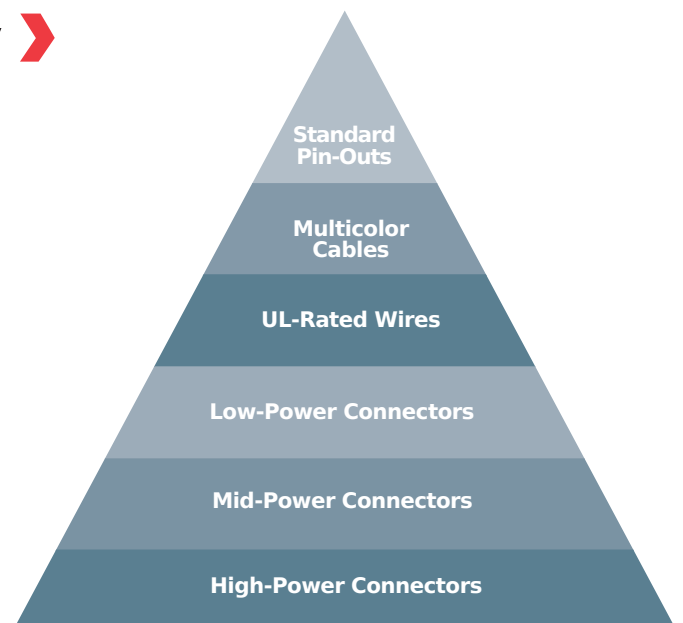
Connector Manufacturer

Certified Facilities  
Planning Development  
Process

Global Lean Six Sigma  
Quality Team

# What We Offer Today >

- Enables designers to build prototypes faster and focus on their design
- Helps prevent assembly errors and terminal back-outs, avoiding end-product failure
- Eliminates long lead times with stocked cables in distribution



# Off-the-Shelf Cable Assemblies >

<b>Pre-Crimped Leads</b>	Female-to-Female Terminals 	Female-to-Single-Ended Terminals 	Male-to-Male Terminals 	Male-to-Single-Ended Terminals 
	<b>Discrete Cable Assemblies</b>	Receptacle to Receptacle 	Receptacle to Single Ended 	Plug to Plug 
<b>Overmolded Cable Assemblies</b>	Receptacle to Receptacle 	Receptacle to Single Ended 		

## Off-the-Shelf Cable Assembly Product Offerings

Product Families	Pitch (mm)	Cable Types			Circuits Available										Cable Length Options (mm)*							
		Pre-Crimped Leads	Discrete Cables	Overmolded Cables	2	3	4	5	6	7	8	9	10	50	75	100	150	300	450	500	600	1000
Pico-Lock	1.00	•	•		•		•							•		•	•	•	•		•	
Pico-EZmate	1.20	•	•		•	•	•	•						•		•	•	•	•		•	
Micro-Lock Plus	1.25	•	•		•	•	•	•						•		•	•	•	•		•	
PicoBlade	1.25	•	•		•	•	•	•	•	•	•	•		•		•	•	•	•		•	
Pico-Clasp	1.25	•	•		•	•	•	•	•	•				•		•	•	•	•		•	
CLIK-Mate	1.50	•	•		•	•	•	•	•	•				•		•	•	•	•		•	
Pico-Lock	1.50	•	•				•	•	•	•				•		•	•	•	•		•	
Squba	1.80		•		•		•		•							•	•					•
MicroClasp	2.00	•	•		•	•	•	•	•	•				•		•	•	•	•		•	
Mini-Lock	2.50	•	•		•	•	•	•	•	•	•	•		•		•	•	•	•		•	
Nano-Fit	2.50	•	•	•	•	•	•	•	•	•				•	•	•	•	•		•	•	•
Ditto	3.00		•		•	•	•	•		•				•	•	•	•	•	•		•	
Micro-Fit	3.00	•	•	•	•	•	•	•	•	•				•		•	•	•	•		•	•
Ultra-Fit	3.50	•	•		•		•		•							•	•	•		•		•
KK Plus	3.96	•	•		•	•	•	•							•		•	•				•
Mini-Fit	4.20	•	•	•	•	•	•	•		•					•		•	•		•	•	•
Mega-Fit	5.70	•	•	•	•		•		•					•		•	•		•		•	•
Multicat	7.40	•	•			•	•											•				•
Mini-Fit Sr	10.00		•		•	•	•										•	•				•

# Transition to Custom Cables >

## Features

### Certified Cables

Molex custom cables help designers reduce preproduction times. These cables use certified components (UL and RoHS) and are built in production-certified facilities that include 2011/65/EU RoHS compliance; UL and FLRY wires availability; ISO 14001, USO/TS 16949, DIN ISO 9001 and ISO 13485.

### Industry Strong

Molex supports custom cables that fit into many industries and applications including commercial vehicle, consumer, data/computing, medical and more. We support customers with end applications such as dash panels, fitness equipment, gaming machines, high-end computing, diagnostic equipment, smart beds, EV charging stations and more.

## Custom Cable Assembly Product Types



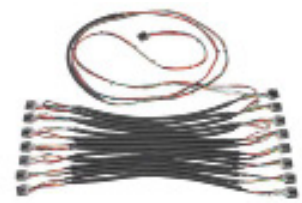
Discrete



Sealed Cables



High Power or High Voltage



Wire Harnesses



Temperature-Sensing  
NTC Thermistors



Overmolded  
Cables (PVC)



Low-Pressure  
Overmolding

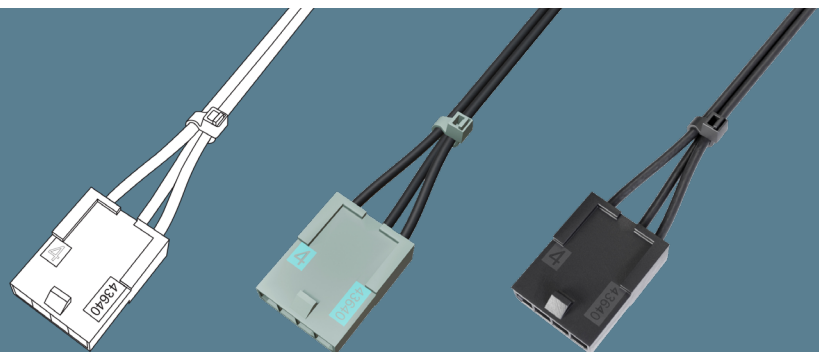


Nylon Overmolding

## Custom Cable Creation

Need a Specific Cable Assembly?  
Try Our Custom Cable Creator!

- Get a 3D model, drawing and quote within 3 business days.
- Receive a free mechanical sample of your creation!



Scan the QR code to visit the Custom Cable Creator web page

Have an existing drawing?  
Email us at [cablecreationteam@molex.com](mailto:cablecreationteam@molex.com) to get started.

› [www.molex.com/molex/products/family/discrete\\_offtheshelf](http://www.molex.com/molex/products/family/discrete_offtheshelf)

**molex**