

# M12 Ultra-Lock Cordsets



The M12 Ultra-Lock Cordsets surpass the performance and reliability of traditional threaded connectors, delivering increased productivity and cost savings through a patented push-to-lock technology amongst other prominent features

## Features and Benefits

### Universal, industry-standard M12 interface

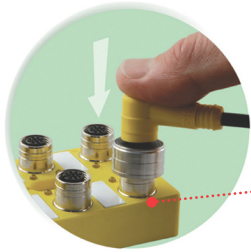
Allows customers to easily change between Ultra-Lock and traditional threaded connection styles as needed



M12 Ultra-Lock Connectors

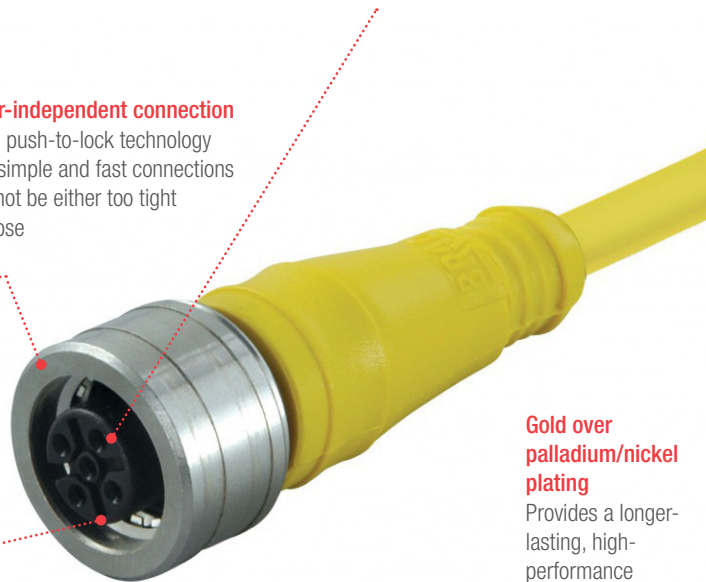
### Operator-independent connection

Patented push-to-lock technology enables simple and fast connections that cannot be either too tight or too loose



### IP67/IP69K Protection

Radial O-ring provides proven protection against water ingress and dust



### Gold over palladium/nickel plating

Provides a longer-lasting, high-performance electrical contact



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## Applications

### Industrial Automation

- Food and Beverage
- Oil and Gas
- Factory Automation
- Conveying and Sorting
- Automotive Production Line



Food and Beverage



Factory Automation

# M12 Ultra-Lock Cordsets



## Specifications

### REFERENCE INFORMATION

Mates With:  
Cordsets: Series 120079, 120080, 120065, 120066  
Receptacles: Series 120070, 120084

### ELECTRICAL

Voltage (max.): 3 and 4 Pole = 250V  
5 Pole = 250V AC/DC  
Current (max.): 4A  
Contact Resistance (IEC 60 512-2): <5mΩ  
Dielectric Withstanding Voltage: n/a  
Insulation Resistance (IEC 60 512-2): >109Ω

### MECHANICAL

Connector Body: PUR  
Contact Carrier: PUR  
Locking Mechanism: Nickel-Plated Brass  
Contact (Male): Brass  
Contact (Female): Phosphor Bronze  
Contact Plating: Gold over Nickel  
O-Ring: Viton  
Operating Temperature: -25 to +90°C  
Mating Cycles: 500

### ENVIRONMENTAL

Pollution Degree (IEC 60 664-1): 3  
Protection (IEC 60 529): IP67/68/69K  
RoHS: Yes

### CERTIFICATION

CSA and UL

## Ordering Information

### Single-Ended Cordsets

Poles	Length	Female Straight		Female 90		Male Straight		Male 90	
		Engineering No	Standard Order No	Engineering No	Standard Order No	Engineering No	Standard Order No	Engineering No	Standard Order No
3	2m	W03000A09M020	1200790138	W03001A09M020	1200790216	W03006A09M020	1200790175	W03007A09M020	1200790220
	5m	W03000A09M050	1200790136	W03001A09M050	1200790214	W03006A09M050	1200790173	W03007A09M050	1200790222
4	10m	W03000A09M100	1200790167	W03001A09M100	1200790212	W03006A09M100	1200790171	W03007A09M100	1200790224
	5m	W04000A09M050	1200790162	W04001A09M050	1200790234	W04006A09M050	1200790105	W04007A09M050	1200790189
	10m	W04000A09M100	1200790160	W04001A09M100	1200790195	W04006A09M100	1200790103	W04007A09M100	1200790191
5	2m	W05000A09M020	1200790109	W05001A09M020	1200790223	W05006A09M020	1200790092	W05007A09M020	1200790239
	5m	W05000A09M050	1200790095	W05001A09M050	1200790203	W05006A09M050	1200790090	W05007A09M050	1200790246
	10m	W05000A09M100	1200790093	W05001A09M100	1200790205	W05006A09M100	1200790088	W05007A09M100	1200790248

### Double-Ended Cordsets

Poles	Length	Engineering No	Standard Order No	Engineering No	Standard Order No	Engineering No	Standard Order No	Engineering No	Standard Order No
3	2m	WW3030A09M020	1200800273	WW3031A09M020	1200800418	WW3032A09M020	1200800413	WW3033A09M020	1200800360
	5m	WW3030A09M050	1200800293	WW3031A09M050	1200800436	WW3032A09M050	1200800352	WW3033A09M050	1200800362
4	2m	WW4030A09M020	1200800331	WW4031A09M020	1200800338	WW4032A09M020	1200800348	WW4033A09M020	1200800383
	5m	WW4030A09M050	1200800333	WW4031A09M050	1200800340	WW4032A09M050	1200800373	WW4033A09M050	1200800394
5	2m	WW5030A09M020	1200800313	WW5031A09M020	1200800374	WW5032A09M020	1200800379	WW5033A09M020	1200800432
	5m	WW5030A09M050	1200800311	WW5031A09M050	1200800376	WW5032A09M050	1200800381	WW5033A09M050	1200800434

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## Ordering Information

### Panel Mount Receptacles

Female				
Poles	1/4-18NPT Front Panel Mount		M16x1.5 Back Panel Mount	
	22AWG Wire Leads		PCB Pins	
	Engineering No	Standard Order No	Engineering No	Standard Order No
4	WR4A00A18C300	1200840001	WR4W400003	1200845175
5	WR5A00A18C300	1200840009	WR5W400003	1200845179

Male				
Poles	1/4-18NPT Front Panel Mount		M16x1.5 Back Panel Mount	
	22AWG Wire Leads		PCB Pins	
	Engineering No	Standard Order No	Engineering No	Standard Order No
4	WR4006A18C300	1200840008	WR4W460003	1200845180
5	WR5006A18C300	1200840017	WR5W460003	1200845181

[www.molex.com/link/m12ultralock.html](http://www.molex.com/link/m12ultralock.html)

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