



# MICRO-LINK™ PRODUCT FAMILY

## MICRO-LINK™ MOLDED CONNECTORS & CORDSETS

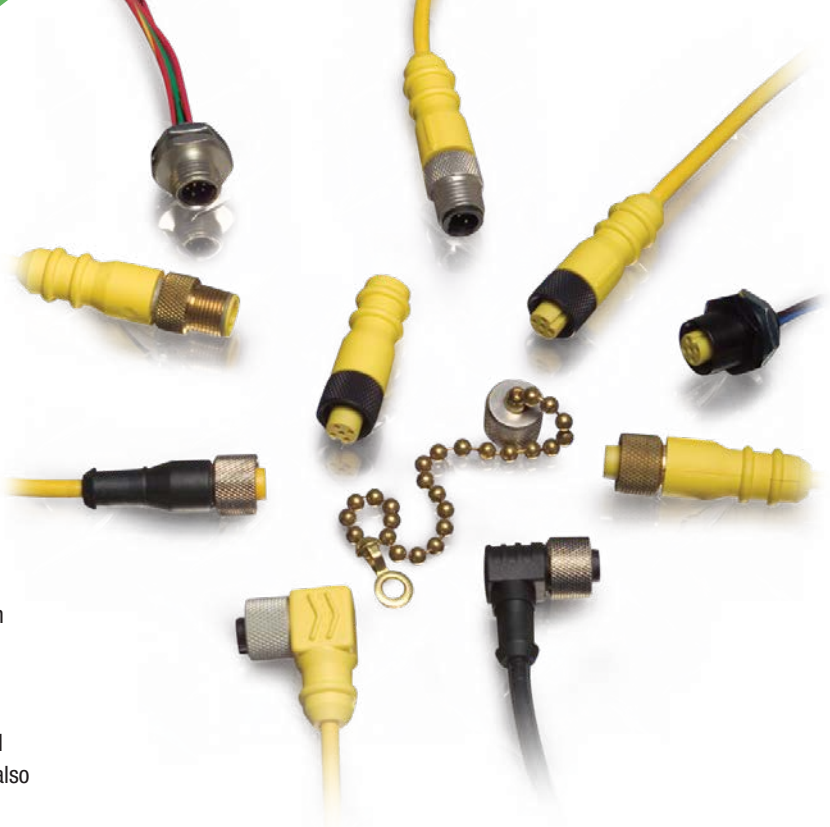
All molded connectors in the Remke Micro-Link family are available in PVC, PUR, TPE and Rubber to protect against harsh conditions as well as numerous environmental & temperature concerns. This family of molded connectors & cordsets are available in male & female, 2 thru 6 pole, straight or 90° configurations and single - dual keyway - or ethernet-enabled design. Optional LED's and cable with or without braiding are also available upon request.

## FEATURES OF MICRO-LINK MOLDED CONNECTORS

Features of the family of Micro-Link Molded Connectors & Cordsets include:

- IP68 protection for enhanced moisture resistance
- Fast & easy replacement of 12mm to 18mm sensors, switches & control components
- Factory molded-to-the-cable construction for durability
- Mechanically keyed to eliminate mismatching
- M12 Etherlink connectors with industry-standard D-Coding for Ethernet & Fieldbus use
- Shielded connectors with a 360° aluminum mylar foil shield to minimize electrical interference that tends to disrupt the signal to the control device
- Splitter-style that is available with a version molded-to-cable for a double/single ended configuration

Micro-Link connectors have been designed for low amperage AC or DC control systems and are compatible with the pin configurations used by major U.S. and European sensor manufacturers.



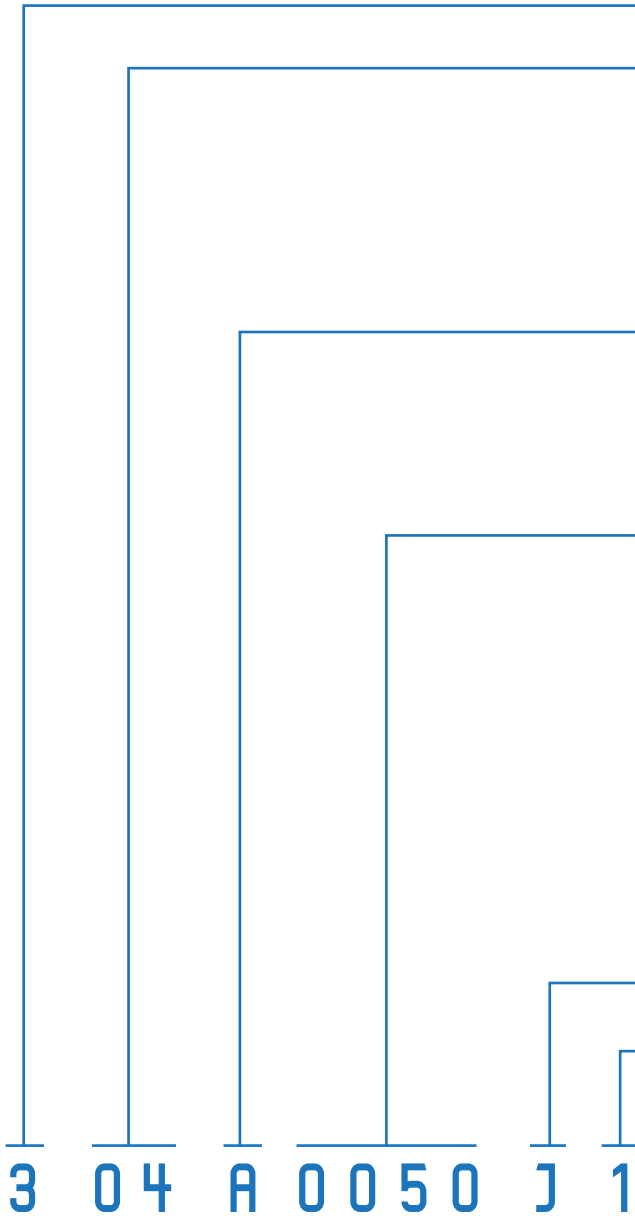
## TYPICAL APPLICATIONS USING MICRO-LINK CONNECTORS

- Automotive Assembly
- Sensors on Conveyors
- Pick and Place Robots
- Packaging Machinery
- Automated Machinery
- Material Handling Equipment

## PRODUCTS THAT TYPICALLY USE MICRO-LINK CONNECTORS

- Proximity Sensors
- Limit Switches
- Photoelectric Switches
- Solenoids
- Hydraulic and Pneumatic Valves

# MICRO-LINK™ ORDERING INFORMATION



Use this example for help when ordering.

MICRO-LINK STYLE CONNECTOR SERIES
2 = (AC) Dual Key (PVC)
3 = (DC) Single Key-M12 (PVC)
4 = (AC) Dual Key (PUR)
5 = (DC) Single Key-M12 (PUR)
6 = (AC) Dual Key (SJ00W)
7 = (DC) Single Key-M12 (SJ00W)

NUMBER OF POLES
02 = 2 Pole
03 = 3 Pole
04 = 4 Pole
05 = 5 Pole
06 = 6 Pole

CONNECTOR STYLE	
A = Female Straight	O = Female/Female
C = Female 90 Degree	P = Male Recpt. 1/2" NPT
E = Male Straight*	R = Male Recpt. 1/4" NPT
F = Male 90 Degree*	S = Female Recpt. 1/4" NPT+
K = Male/Female (STRT/STRT)*	T = Male Recpt. M14 X 1
L = Male/Female (STRT/90D)*	+ = Internal Threads
M = Male/Female (90D/STRT)*	* = Male Has External Threads
N = Male/Female (90D/90D)*	Note: Other connector styles available. Consult Factory.

ASSEMBLY LENGTH (FT.)	
1st Digit is 100 x Length	Ex: 0005 is 1/2 Ft.
2nd Digit is 10 x Length	0050 is 5 Ft.
3rd Digit is 1 x Length	0500 is 50 Ft.
4th Digit is .1 x Length	5000 is 500 Ft.

DUAL KEY CABLE CODES	SINGLE KEY CABLE CODES
AA = # 22 AWG TPE Shielded (Auto CC)	AB = # 22 AWG TPE Shielded (Euro CC)
AK = # 22 AWG PUR w/braid (Auto CC)	AL = # 22 AWG PUR w/braid (Euro CC)
AQ = # 18 AWG TPE (Auto CC)*	AR = # 18 AWG TPE (Euro CC)
C = # 18 AWG Rubber SJ00W* (Auto CC)	D = # 18 AWG Rubber SJ00W (Euro CC)*
E = # 18 AWG PVC (Auto CC)*	F = # 18 AWG PVC (Euro CC)*
G = # 22 AWG PVC w/braid (Auto CC)	H = # 22 AWG PVC w/braid (Euro CC)
K = # 22 AWG PUR (Auto CC)	J = # 22 AWG PVC w/o braid (Euro CC)
T = # 22 AWG PVC w/o braid (Auto CC)	L = # 22 AWG PUR (Euro CC)
For Receptacles Only	For Receptacles Only
N = # 18/1C PVC	N = # 18/1C PVC
P = # 22/1C PVC	P = # 22/1C PVC
AS = #24/1C PVC	AS = #24/1C PVC
Note: (Auto CC) applies to Dual Key Devices. Other cable codes available - consult factory	Note: (Euro CC) applies to Single Key (M12) Devices. Other cable types available - consult factory
Note: * means 2 through 5 Pole only	

COUPLING OR SHELL OPTIONS	
1 = Stainless Steel (2 through 6P)	N = Non-Metallic (2 through 6P)
9 = Nickel-Plated Brass	Note: Leave Blank for Std. Materials

CORD CONNECTORS

WIRE MESH GRIPS

PICO-LINK

MICRO-LINK

ETHERLINK

MINI-LINK

MULTI-PORT BOXES

BUS SYSTEM PRODUCTS





# SINGLE KEY (M12) PVC MICRO-LINK™ PLUG ASSEMBLIES

## SPECIFICATIONS

### MATERIALS

Body	PVC
O-Ring	Nitrile Rubber
Contact	Brass, Gold Plated over Nickel
Coupling Nut	Machined Aluminum, Black Anodized

Cable	#22 AWG PVC 26 x #36 Stranding, 105°C or #18 AWG PVC 41 x #34 Stranding, 105°C, UL Recognized, CSA Certified
-------	--

Cable Diameters	#22 AWG PVC without braid, 3/C-.18", 4/C-.19", 5/C-.21"
-----------------	---

#22 AWG PVC with braid, 3/C-.23", 4/C-.25", 5/C-.26" (braid not electrically connected)

#18 AWG PVC, 3/C-.29", 4/C-.29", 5/C-.29"

### ELECTRICAL

Voltage Rating	250 VAC/300 VDC (2-5P)
----------------	------------------------

Current	#24 AWG - 2A, #22 AWG-4A, #18 AWG-5A
---------	--------------------------------------

Contact Resistance	≤5mΩ
--------------------	------

### ENVIRONMENTAL

Protection	IP67
------------	------

Operating Temp	PVC: -20°C to 105°C
----------------	---------------------

### CERTIFICATIONS

Recognized, File No. E165657

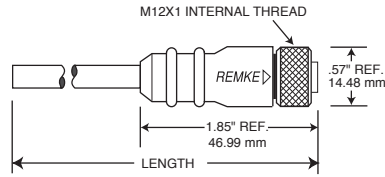
Certified, File No. E165657

### OPTIONS

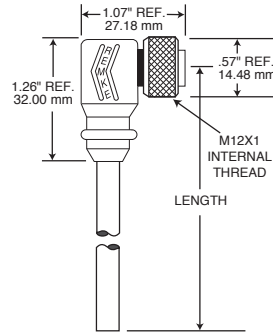
#18 AWG (PVC) Plug Assemblies (2 thru 5 Pole)
---

Stainless Steel Couplers
--------------------------

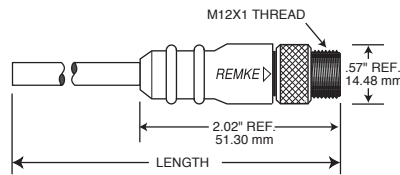
Plastic Couplers
------------------



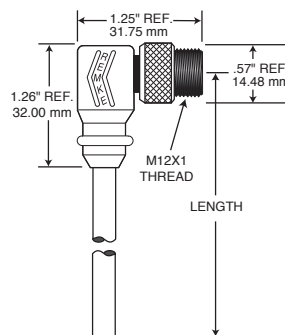
FEMALE STRAIGHT



FEMALE 90°



MALE STRAIGHT



MALE 90°

## FEMALE PLUGS

### RECEPTACLE PART NUMBERS

Number of Poles	Female Contact Rotation	Wiring Color Code
3		1-Brown 2-Not Used 3-Blue 4-Black
4		1-Brown 2-White 3-Blue 4-Black
5		1-Brown 2-White 3-Blue 4-Black 5-Gray

## MALE PLUGS

### PLUG ASSEMBLY PART NUMBERS

Number of Poles	Male Contact Rotation	Wiring Color Code
3		1-Brown 2-Not Used 3-Blue 4-Black
4		1-Brown 2-White 3-Blue 4-Black
5		1-Brown 2-White 3-Blue 4-Black 5-Gray

\*Braid not electrically connected.

	Length	Wire Gauge (AWG)	Straight Plug Non-Braided	Straight Plug Braided*	90° Plug Non-Braided	90 Plug Braided*	Mating Male Receptacle
	2M/6.6 FT.	#22 (PVC)	303A0066J	303A0066H	303C0066J	303C0066H	303P0010P
	4M/13.1 FT.	#22 (PVC)	303A0131J	303A0131H	303C0131J	303C0131H	303P0010P
	5M/16.4 FT.	#22 (PVC)	303A0164J	303A0164H	303C0164J	303C0164H	303P0010P
	2M/6.6 FT.	#22 (PVC)	304A0066J	304A0066H	304C0066J	304C0066H	304P0010P
	4M/13.1 FT.	#22 (PVC)	304A0131J	304A0131H	304C0131J	304C0131H	304P0010P
	5M/16.4 FT.	#22 (PVC)	304A0164J	304A0164H	304C0164J	304C0164H	304P0010P
	2M/6.6 FT.	#22 (PVC)	305A0066J	305A0066H	305C0066J	305C0066H	305P0010P
	4M/13.1 FT.	#22 (PVC)	305A0131J	305A0131H	305C0131J	305C0131H	305P0010P
	5M/16.4 FT.	#22 (PVC)	305A0164J	305A0164H	305C0164J	305C0164H	305P0010P

	Length	Wire Gauge (AWG)	Straight Plug Non-Braided	Straight Plug Braided*	90° Plug Non-Braided	90 Plug Braided*	Mating Female Receptacle
	2M/6.6 FT.	#22 (PVC)	303E0066J	303E0066H	303F0066J	303F0066H	303S0010P
	4M/13.1 FT.	#22 (PVC)	303E0131J	303E0131H	303F0131J	303F0131H	303S0010P
	5M/16.4 FT.	#22 (PVC)	303E0164J	303E0164H	303F0164J	303F0164H	303S0010P
	2M/6.6 FT.	#22 (PVC)	304E0066J	304E0066H	304F0066J	304F0066H	304S0010P
	4M/13.1 FT.	#22 (PVC)	304E0131J	304E0131H	304F0131J	304F0131H	304S0010P
	5M/16.4 FT.	#22 (PVC)	304E0164J	304E0164H	304F0164J	304F0164H	304S0010P
	2M/6.6 FT.	#22 (PVC)	305E0066J	305E0066H	305F0066J	305F0066H	305S0010P
	4M/13.1 FT.	#22 (PVC)	305E0131J	305E0131H	305F0131J	305F0131H	305S0010P
	5M/16.4 FT.	#22 (PVC)	305E0164J	305E0164H	305F0164J	305F0164H	305S0010P