



MOLDED CONNECTORS
& CORD SETS
CATALOG





Remke Molded Connectors & Cordsets

Faster Installation to Lower Costs, Improve
Productivity & Eliminate Downtime

Molded Connectors and Cordsets...

Are manufactured for easier installation, maintenance and reliability to keep your costs low and your production up!

They are commonly used as sensor connectors and in control devices where easy change-out is needed.

As the demand grows for greater levels of circuit integrity and production uptime, so does the need for molded cable assemblies with pin-connectors. Industries that depend on automated processes find that molded cable assemblies are the right choice for reliability.

Remke Tuff-Link™ Molded Connectors & Cordsets are made in the USA with an extensive inventory ready to ship to OEM's and distributors all over the world. Our molded connectors meet the standards you need for use with sensors and control devices to provide easier initial installations & quick component replacement in all types of industrial applications.

The Remke Family of Molded Connector Products

The Tuff-Link family offers a wide-range of standard cable & connector options including:

- M12 Micro-Link connectors available in PVC, PUR, TPE & Rubber
- 2-12 pole Mini-Link connectors with selection of cable & molding material
- M12 Etherlink connectors
- 8mm Pico-Link connectors
- Micro-Port & Mini-Port Distribution Boxes
- M12 & M8 Attachable connectors
- Bus System products for DeviceNet™ & other CAN network architecture



REMKE | **ENGINEERED
SOLUTIONS**

Meeting the Needs of A Single Customer

With our expansive component inventory Remke can create more configurations & combinations than anybody else. Engineered solutions are available to all customers with no additional fees! When the product you need doesn't exist in the standard line talk to us **The Remke Engineered Solutions team.**



Why Choose Remke?

When you choose Remke you say goodbye to logistical nightmares like delivery times and product quality from offshore producers. Made-in-the-USA means we're literally/physically closer to you so that cable connectors & cord grips can be delivered when you need them.



Markets Served...

Tuff-Link™ Molded Connectors & Cordsets from Remke Industries are used in a wide variety of industrial & commercial markets.

To assist you in determining which products are best suited for your application, we have subdivided this matrix into products for

General Industry (such as automation and OEM's) and products for Corrosion Resistant markets such as food processing & petrochemical.

GENERAL INDUSTRY

Remke Product	Automation	Material Handling	Original Equipment Manufacturer	Maintenance Repair Operations	Lighting	Renewable Energy
Tuff-Link Molded Connectors						
Pico-Link Connectors	■	■	■	■	■	■
TPE Mini-Link Connectors	■	■	■	■	■	■
Rubber Mini-Link Connectors	■	■	■	■	■	
PVC Mini-Link Connectors	■	■	■	■	■	■
PVC Micro-Link Connectors	■	■	■	■	■	■
PUR Micro-Link Connectors	■	■	■	■	■	■
TPE Micro-Link Connectors	■	■	■	■	■	■
M12 Etherlink Connectors	■	■	■	■		■
Micro/Mini-Port Distribution Boxes	■	■	■			
Bus System Products	■	■	■			

CORROSION RESISTANT

Remke Product	Food Processing	Wastewater Treatment	Petro Chemical	Pulp & Paper
Tuff-Link Molded Connectors				
Pico-Link Connectors	■			
TPE Mini-Link Connectors	■	■	■	■
Rubber Mini-Link Connectors	■		■	■
PVC Mini-Link Connectors	■	■	■	■
PVC Micro-Link Connectors	■			■
PUR Micro-Link Connectors	■	■	■	■
TPE Micro-Link Connectors	■	■		
Micro/Mini-Port Distribution Boxes	■		■	



Remke Molded Connectors & Cordsets

Faster Installation to Lower Costs, Improve
Productivity & Eliminate Downtime



PICO-LINK CONNECTORS

Designed to meet critical IP 65 and IP 67 standards, the family of Pico-Link connectors features standard M8 couplers in 3 or 4 pole configurations, straight or 90 degree, male and female. Connector/cable options include PVC for outstanding durability in general industrial applications, or PUR for superior resistance against oil and continuous flexing and for excellent abrasion resistance in high abuse areas.

Pico-Link connectors feature:

- Space saving compact design – especially useful in applications with a high density of inputs & outputs
- Gold-plated brass contacts for enhanced corrosion resistance and conductivity
- Nickel-plated brass coupling nuts for enhanced corrosion resistance
- 100% factory pre-testing to ensure optimal performance

Engineered Solutions for Pico-Link connectors can include unique M8/M12 cordset combinations & variable cable lengths.



MICRO-LINK CONNECTORS

Micro-Link connectors are available in four different materials – PVC, PUR, TPE and Rubber – to protect against environmental and temperature concerns. This family of connectors, cable assemblies and receptacles offer NEMA 6P and IP 67 protection in 2 through 12 pole configurations, straight or 90 degree, male & female. Available in both Single key (A coded) and Dual key (C coded).

Micro-Link connectors feature:

- Pin configurations used by major U.S. & European sensor manufacturers
- Machined contacts (instead of stamped contacts) for highly accurate tolerances
- Shielded and splitter styles
- Gold-plated contacts for enhanced corrosion-resistance and conductivity
- High-impact resistant contact carriers for longer product life
- Vibration-resistant design so the connector will stay securely fastened to the sensor or mating receptacle

Engineered Solutions for Micro-Link connectors can range from special colors & lengths to unique materials and hardware options, to special wire preparation like stripping or tinning of conductors.



M12 ETHERLINK CONNECTORS

Remke M12 Etherlink Connectors feature our industrial-strength Micro-Link molded connectors with industry-standard D-coding for Ethernet and Fieldbus use. M12 connectors are very sturdy despite their small size, and they provide a reliable connection even when subjected to shock or vibration. Etherlink connectors offer IEC 11801:2002 Cat5 compliance with TPE cable that is shielded against EMC interference. Easy-to-install TPE cable is also ideal for high flex applications in harsh environments where the highest degree of oil resistance and extended service life are essential.

Rated IP 68 and NEMA 6P, Remke M12 Ethernet connectors support data rates up to a Gigabit and are able to withstand the most rugged industrial environmental conditions to ensure high Ethernet or Fieldbus network availability. Quick and cost-effective to install and put into operation, these M12 connectors are molded to shielded TPE cable for Cat5e data performance. 360° EMI shielding is important to all applications that depend on both high bandwidth and secure data transmission.

Features of Remke M12 Etherlink Connectors includes:

- Single and double-ended options
- Available in male & female, straight and 90 degree configurations
- Temperature range from -40°C to +80°C
- Receptacles designed for conventional threaded connections to ensure reliable mating
- 100% factory tested

TPE cable features an abrasion-resistant jacket with 3 times the low-temperature flexibility and resists solvents, chemicals and fuels better than ordinary PVC. Applications for Remke M12 Ethernet connectors include manufacturing, process control, factory automation and more.



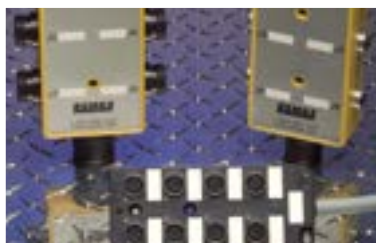
MINI-LINK CONNECTORS

Mini-Link rubber plugs & cable assemblies are ideally suited for applications where flexibility and resistance to stress, abuse or harsh environments or a broad temperature range is important. Connector/cable options include PVC (plastic) for general industrial applications and Silicone for high-temperature concerns. Mini-Link connectors are available in 2-12 pole configurations, straight and 90 degree, male & female.

Mini-Link connectors feature:

- NEMA 6P & IP 68 protection
- Nickel coated then gold-plated contacts for enhanced corrosion resistance & conductivity
- Precision machined contacts for highly accurate tolerances
- Pins & contacts crimped onto wires assuring secure terminations
- Connectors that meet or exceed UL, CSA, NEMA, SAE, IEC and automotive specifications
- Heavy-duty SOOW, SJOOW or STOW cable options

Engineered Solutions for Mini-Link connectors can range from unique lengths to optional materials and hardware to different assemblies for adapters or special wire preparation like stripping or tinning of conductors.



MICRO-PORT AND MINI-PORT I/O BOXES

Tuff-Link I/O Boxes consolidate up to 12 connections into a single base unit which reduces the cabling required in control system wiring. These boxes can be used with either 12mm or 18mm proximity sensors, limit switches, solenoids or miniature controls. All I/O boxes feature parallel wiring, gold-plated contacts for enhanced connectivity and are available with PVC, PUR or Rubber cables to address different environmental concerns.

Micro-Port I/O Boxes feature:

- 4, 6 or 8 outlets
- 3 or 4 pole single or dual keyway configurations

Mini-Port I/O Boxes feature:

- 4, 6, or 8 outlets
- 3 pole configuration

Engineered Solutions for Tuff-Link I/O Boxes includes custom wiring, labeling, color, packaging, hardware and even combination boxes that are part mini, part micro.



BUS SYSTEM CONNECTOR PRODUCTS

Tuff-Link Bus System Connector Products have been designed to meet DeviceNet™ and other CAN bus system network architecture. Designed for harsh industrial environments including IP 68 conditions, our bus system products includes connectors, cable assemblies, receptacles, molded tees, terminators and several types of multi-port junction boxes.

Features of our Bus System Connector products include:

- NEMA, IEC, UL and CSA standards
- Single or double-ended cable assemblies in a variety of male/female and straight/90 degree configurations
- Standard O-Rings and locknuts in the panel mount receptacles (usually additional from other manufacturers) to form the tightest seal possible
- Passive feed-thru and passive drop junction boxes
- Optional stainless steel couplers

Engineered Solutions are available for any configuration of Bus System Connector Products including variations by length of cable, connector color & corrosion-resistant hardware.



ATTACHABLE CONNECTORS

Tuff-Link M8 and M12 Attachable Connectors are offered in 3, 4 and 5-pole configurations in either straight or 90 degree versions. These field-wireable connectors convert hardwired sensors into quick-disconnect types and provide positive, compact cable terminations in harsh environments. Attachable connectors are ideal for creating custom length cordsets in the field.

Features of our Tuff-Link Attachable Connectors include:

- Meet IP 67 standards
- Gold-plated contacts for enhanced corrosion-resistance and conductivity
- Easy methods of cable termination and identification
- RJ45 connectors require no special tools for installation



REMKE

ENGINEERED SOLUTIONS

A BROAD SPECTRUM OF SERVICES TO CREATE CUSTOM CABLE CONNECTORS, CORD GRIPS & MOLDED CONNECTORS

For 50 years Remke has been creating custom connectors for all types of industrial-strength electrical applications.

Think of our broad spectrum of services like a sliding scale from simple on the left to complex on the right ---

from specials on the left to adaptations & variations in the middle to full-scale engineered custom products on the right.

Wherever your specific need falls on that spectrum will be the Remke Engineered Solution that is right for your application.

When the Product You Need Doesn't Exist In the Standard Line Talk To Us.

At Remke we keep an expansive inventory of component parts for our cable connectors, cord grips, wire mesh grips & molded connectors. This inventory enables us to create more configurations and combinations of connectors than other manufacturers.

Our Engineered Solutions process enables you to select exactly what you need for your application including type of material, wire mesh, hardware, wiring, bushings and threading along with custom packaging, kitting and private labeling.

MODIFIED STANDARD PRODUCT SOLUTIONS

Standard Remke product with minor alterations such as cable length, bushing material, number of holes in bushing & wire mesh material.

ADAPTED APPLICATION SOLUTIONS

Standard Remke product with changes in materials, threading, custom wiring or cable, plating, private labeling, packaging & kitting.

CUSTOMIZED PRODUCT SOLUTIONS

Engineered solution based on the customer specification/customer driven design of a unique product -- could be proprietary and most times involves tooling.



(Viton is a registered trademark of DuPont.)



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PICO-LINK™ (M8) CONNECTORS PRODUCT FAMILY

PICO-LINK 8 MM CONNECTORS

Compact Pico-Link Connectors from Remke Industries are available in coupler (or threaded) versions to allow easy and secure connections for the smallest of control devices. This family of industrial interconnects are available in male or female 3 and 4 pole configurations in either straight or 90° designs.

Features of the 8mm Pico-Link family of interconnects and cordsets includes:

- Space savings compact design – especially useful in locations with a high density of inputs & outputs
- PVC cable for outstanding durability or PUR for superior resistance against oil, abrasions & continuous flexing
- Excellent resistance to common industrial oils & fluids
- Gold-plated brass contacts provide a durable and consistent low-resistance path
- Nickel-plated brass coupling nuts for enhanced corrosion resistance





TYPICAL APPLICATIONS USING PICO-LINK CONNECTORS

- Automotive assembly
- Robotic end-arm tooling
- Sensors on conveyors
- Gear tooth sensing
- Material handling equipment
- Packaging equipment

PRODUCTS WHICH TYPICALLY USE PICO-LINK CONNECTORS

- 8mm tubular proximity sensors
- Miniature photoelectric sensors
- Flow sensors
- Miniature modular controls

CORD CONNECTORS

WIRE MESH GRIPS

PICO-LINK

MICRO-LINK

ETHERLINK

MINI-LINK

MULTI-PORT BOXES

BUS SYSTEM
PRODUCTS



PICO-LINK™ (M8) PLUG ASSEMBLIES

SPECIFICATIONS

MATERIALS

Connector	PUR
Contacts	Brass, Gold Plated
Coupling Nut	Brass, Nickel Plated
Cable	#24 AWG PVC UL Style 2517, 105°C, UL Recognized, CSA Certified
Cable Diameter	3/C - 4.5mm PVC nominal, 4/C - 5.0mm PVC nominal

ELECTRICAL

Voltage Rating	10 to 30 VDC
Contact Resistance	≤5mΩ
Current	3A Max.

ENVIRONMENTAL

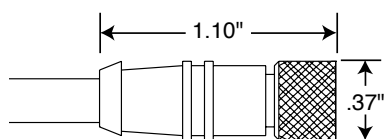
Protection	IP67
Operating Temp	-25°C to 90°C

NOTE

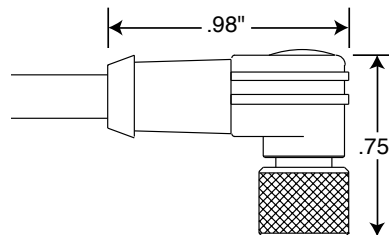
M8 X .05 threaded receptacles with 0.5m lead also available.
Additional cable lengths available upon request. Consult factory.

PLUG ASSEMBLY PART NUMBERS

Number of Poles	Female Face View	Cable Length	Female Straight	Female 90 Degree
3		2M	PC03A006611E	PC03C006611E
		3M	PC03A009811E	PC03C009811E
		5M	PC03A016411E	PC03C016411E
		10M	PC03A032811E	PC03C032811E
4		2M	PC04A006611E	PC04C006611E
		3M	PC04A009811E	PC04C009811E
		5M	PC04A016411E	PC04C016411E
		10M	PC04A032811E	PC04C032811E



FEMALE STRAIGHT



FEMALE 90°



PICO-LINK™ (M8) ATTACHABLE CONNECTORS

SPECIFICATIONS

MATERIALS

Body	Nylon
Contact Carrier	Nylon
Contact	Copper Alloy, Gold Plated
Coupling Nut	Brass with Nickel Plating
Cable Outlets	4 to 5mm

ELECTRICAL

Voltage Rating	3 and 4 Pole 60VAC/DC
Current	4 amps

ENVIRONMENTAL

Protection	IP67
Operating Temp	-25°C to 70°C

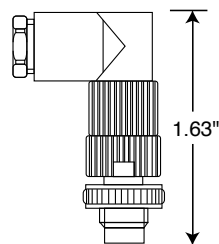
NOTE: Solder Style Terminals

CONNECTOR PART NUMBERS

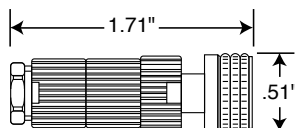
Number of Poles	Female Face View	Cable Entry	Male Straight	Male 90 Degree	Female Straight	Female 90 Degree
3		PG7	M803EFW7	M803FFW7	M803AFW7	M803CFW7
4		PG7	M804EFW7	M804FFW7	M804AFW7	M804CFW7



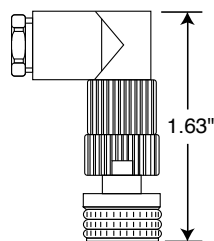
MALE STRAIGHT



MALE 90°



FEMALE STRAIGHT



FEMALE 90°



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

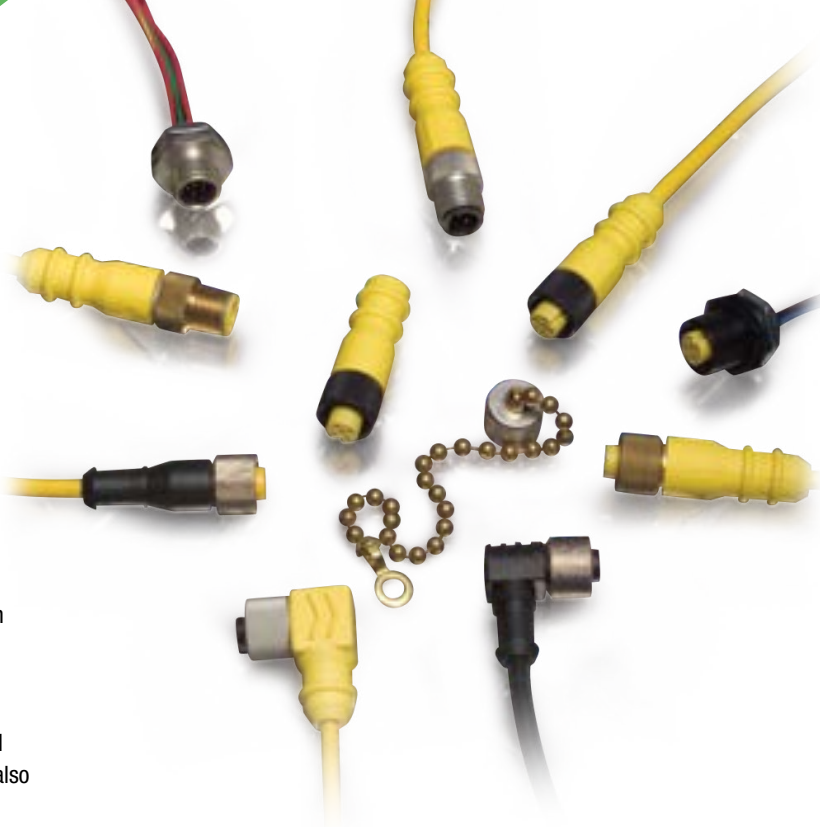
Micro-Link connectors have been designed for low amperage AC or DC control systems and are compatible with the pin configurations used by major U.S. and European sensor manufacturers.

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

Distributed by Gross Automation | +1 (262) 252-1600 | sales@grossautomation.com

3 04 A 0050 J 1

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

AA = # 22 AWG TPE Shielded (Auto CC)
AK = # 22 AWG PUR w/braid (Auto CC)
AQ = # 18 AWG TPE (Auto CC)*
C = # 18 AWG Rubber SJ00W* (Auto CC)
E = # 18 AWG PVC (Auto CC)*
G = # 22 AWG PVC w/braid (Auto CC)
K = # 22 AWG PUR (Auto CC)
T = # 22 AWG PVC w/o braid (Auto CC)
For Receptacles Only
N = # 18/1C PVC
P = # 22/1C PVC
AS = #24/1C PVC

Note: (Auto CC) applies to Dual Key Devices. Other cable codes available - consult factory

Note: * means 2 through 5 Pole only

SINGLE KEY CABLE CODES

AB = # 22 AWG TPE Shielded (Euro CC)
AL = # 22 AWG PUR w/braid (Euro CC)
AR = # 18 AWG TPE (Euro CC)
D = # 18 AWG Rubber SJ00W (Euro CC)*
F = # 18 AWG PVC (Euro CC)*
H = # 22 AWG PVC w/braid (Euro CC)
J = # 22 AWG PVC w/o braid (Euro CC)
L = # 22 AWG PUR (Euro CC)
For Receptacles Only
N = # 18/1C PVC
P = # 22/1C PVC
AS = #24/1C PVC

Note: (Euro CC) applies to Single Key (M12) Devices. Other cable types available - consult factory

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"
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	#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
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Contact Resistance	≤5mΩ
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ENVIRONMENTAL

Protection	IP67
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Operating Temp	PVC: -20°C to 105°C
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CERTIFICATIONS



Recognized, File No. E165657



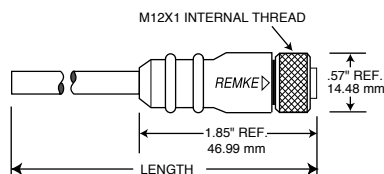
Certified, File No. E165657

OPTIONS

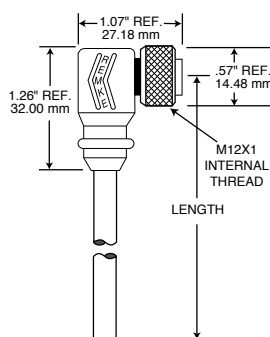
#18 AWG (PVC) Plug Assemblies (2 thru 5 Pole)

Stainless Steel Couplers

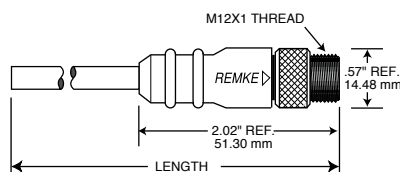
Plastic Couplers



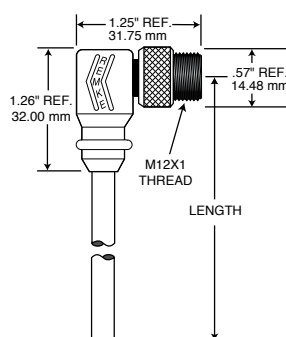
FEMALE STRAIGHT



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

CORD CONNECTORS

WIRE MESH GRIPS

PICO-LINK

MICRO-LINK

ETHERLINK

MINI-LINK

MULTI-PORT BOXES

BUS SYSTEM PRODUCTS



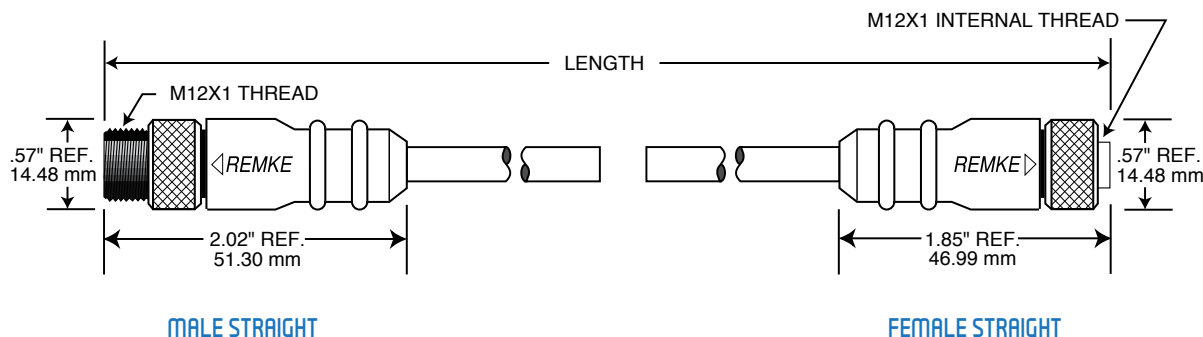
SINGLE KEY (M12) PVC MICRO-LINK™ CABLE ASSEMBLIES

SPECIFICATIONS		
MATERIALS		ELECTRICAL
Body	PVC	Voltage Rating 250 VAC/300 VDC (2-5P)
O-Ring	Nitrile Rubber	Current #24 AWG - 2A, #22 AWG-4A #18 AWG-5A
Contact	Brass, Gold Plated over Nickel	Contact Resistance ≤5mΩ
Coupling Nut	Machined Aluminum, Black Anodized	ENVIRONMENTAL
Cable		
	#22 AWG PVC 26 x #36 Stranding, 105°C	Protection IP67
	#18 AWG PVC 41 x #34 Stranding, 105°C, UL Recognized, CSA Certified	Operating Temp PVC: -20°C to 105°C
Cable Diameters		CERTIFICATIONS
	#22 AWG PVC without braid, 3/C-.18", 4/C-.19", 5/C-.21"	
	#22 AWG PVC with braid, 3/C-.22", 4/C-.25", 5/C-.26" (braid not electrically connected)	Recognized, File No. E165657
	#18 AWG PVC, 3/C	Certified, File No. E165657
		OPTIONS
		#18 AWG (PVC) Cord Sets
		Plastic Couplers
		Stainless Steel Couplers
		90° Style Male or Female bodies

MALE/FEMALE PLUGS

CABLE ASSEMBLY PART NUMBERS							
Number of Poles	Male Contact Rotation	Female Contact Rotation	Wiring Color Code	Length	Wire Gauge (AWG)	Male/Female Non-Braided	Male/Female Braided*
3			1-Brown 2-Not Used 3-Blue 4-Black	2M/6.6 FT.	#22 (PVC)	303K0066J	303K0066H
				4M/13.1 FT.	#22 (PVC)	303K0131J	303K0131H
				5M/16.4 FT.	#22 (PVC)	303K0164J	303K0164H
4			1-Brown 2-White 3-Blue 4-Black	2M/6.6 FT.	#22 (PVC)	304K0066J	304K0066H
				4M/13.1 FT.	#22 (PVC)	304K0131J	304K0131H
				5M/16.4 FT.	#22 (PVC)	304K0164J	304K0164H
5			1-Brown 2-White 3-Blue 4-Black 5-Gray	2M/6.6 FT.	#22 (PVC)	305K0066J	305K0066H
				4M/13.1 FT.	#22 (PVC)	305K0131J	305K0131H
				5M/16.4 FT.	#22 (PVC)	305K0164J	305K0164H

*Braided not electrically connected.



MALE STRAIGHT

FEMALE STRAIGHT



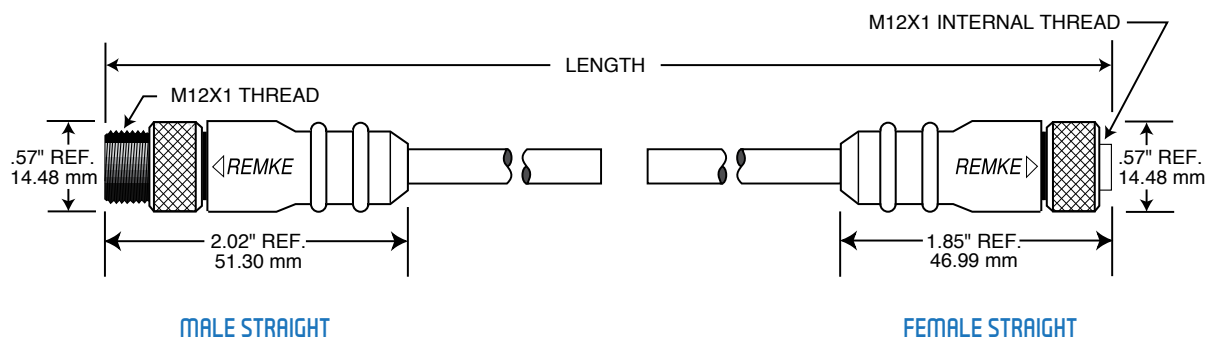
SINGLE KEY (M12) PUR MICRO-LINK™ CABLE ASSEMBLIES

SPECIFICATIONS			
MATERIALS		ELECTRICAL	
Body	PUR	Voltage Rating	250 VAC/300 VDC
O-Ring	Nitrile Rubber	Current	#22 AWG-4A, #18 AWG-5A
Contact	Brass, Gold Plated over Nickel	Contact Resistance	≤5mΩ
Coupling Nut	Machined Aluminum, Black Anodized	ENVIRONMENTAL	
Cable	#22 AWG PUR 26 x #36 Stranding, 80°C	Protection	IP67
	#18 AWG PUR 41 x #34 Stranding, 80°C, UL Recognized, CSA Certified	Operating Temp	PUR: -20°C to 80°C
Cable Diameters	#22 AWG PUR without braid, 3/C-.18", 4/C-.19", 5/C-.21"	CERTIFICATIONS	
	#22 AWG PUR with braid, 3/C-.22", 4/C-.25", 5/C-.26" (braid not electrically connected)		Recognized, File No. E165657
	#18 AWG PUR, 3/C-.25", 4/C-.25", 5/C-.26"		Certified, File No. E165657
		OPTIONS	
		#18 AWG (PUR) Cord Sets	
		Plastic Couplers	
		Stainless Steel Couplers	
		90° Style Male or Female bodies	

MALE/FEMALE PLUGS

CABLE ASSEMBLY PART NUMBERS							
Number of Poles	Male Contact Rotation	Female Contact Rotation	Wiring Color Code	Length	Wire Gauge (AWG)	Male/Female Non-Braided	Male/Female Braided*
3			1-Brown 2-Not Used 3-Blue 4-Black	2M/6.6 FT.	# 22 (PUR)	503K0066L	503K0066AL
				4M/13.1 FT.	# 22 (PUR)	503K0131L	503K0131AL
				5M/16.4 FT.	# 22 (PUR)	503K0164L	503K0164AL
4			1-Brown 2-White 3-Blue 4-Black	2M/6.6 FT.	# 22 (PUR)	504K0066L	504K0066AL
				4M/13.1 FT.	# 22 (PUR)	504K0131L	504K0131AL
				5M/16.4 FT.	# 22 (PUR)	504K0164L	504K0164AL
5			1-Brown 2-White 3-Blue 4-Black 5-Gray	2M/6.6 FT.	# 22 (PUR)	505K0066L	505K0066AL
				4M/13.1 FT.	# 22 (PUR)	505K0131L	505K0131AL
				5M/16.4 FT.	# 22 (PUR)	505K0164L	505K0164AL

*Braid not electrically connected.



MALE STRAIGHT

FEMALE STRAIGHT



SINGLE KEY (M12) PUR MICRO-LINK™ PLUG ASSEMBLIES

SPECIFICATIONS

MATERIALS

Body	PUR
O-Ring	Nitrile Rubber
Contact	Brass, Gold Plated over Nickel
Coupling Nut	Machined Aluminum, Black Anodized
Cable	#22 AWG PUR 26 x #36 Stranding, 80°C
	#18 AWG PUR 41 x #34 Stranding, 80°C, UL Recognized, CSA Certified
Cable Diameters	#22 AWG PUR without braid, 3/C -.18", 4/C -.19", 5/C-.21"
	#22 AWG PUR with braid, 3/C-.23", 4/C-.25", 5/C-.26" (braid not electrically connected)
	#18 AWG PUR, 3/C-.26", 4/C-.26", 5/C-.26"

ELECTRICAL

Voltage Rating	250 VAC/300 VDC
Current	#22 AWG-4A, #18 AWG-5A
Contact Resistance	≤5mΩ

ENVIRONMENTAL

Protection	IP67
Operating Temp	PUR:-20°C to 80°C

CERTIFICATIONS

	Recognized, File No. E165657
	Certified, File No. E165657

OPTIONS

#18 AWG (PUR) Cord Sets
Plastic Couplers
Stainless Steel Couplers

FEMALE PLUGS

PLUG ASSEMBLY PART NUMBERS

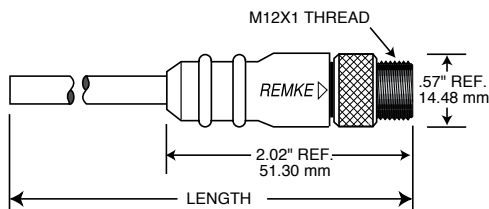
NUMBER OF POLES	Female Contact Rotation	Wiring Color Code
3		1-Brown 2-Not Used 3-Blue 4-Black
4		1-Brown 2-White 3-Blue 4-Black
5		1-Brown 2-White 3-Blue 4-Black 5-Gray

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

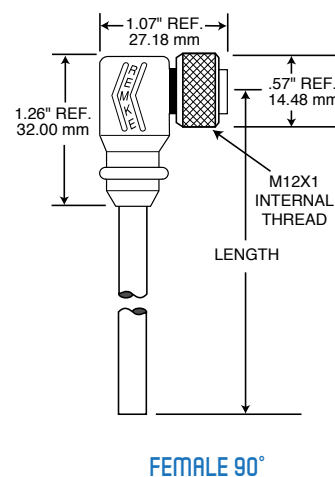
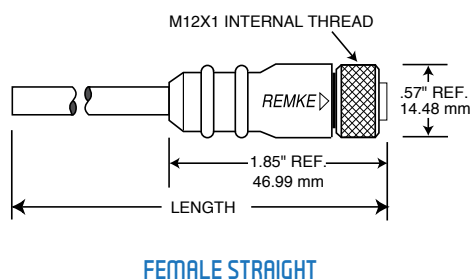
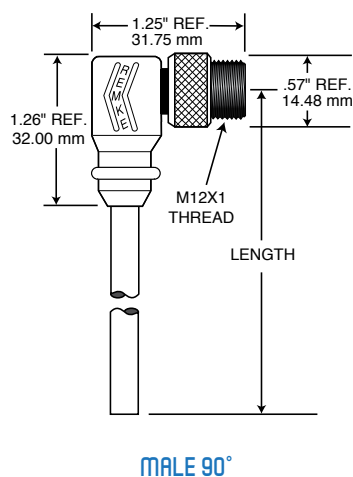
*Braid not electrically connected.



MALE STRAIGHT

	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 (PUR)	503A0066L	503A0066AL	503C0066L	503C0066AL	303P0010P
	4M/13.1 FT.	#22 (PUR)	503A0131L	503A0131AL	503C0131L	503C0131AL	303P0010P
	5M/16.4 FT.	#22 (PUR)	503A0164L	503A0164AL	503C0164L	503C0164AL	303P0010P
	2M/6.6 FT.	#22 (PUR)	504A0066L	504A0066AL	504C0066L	504C0066AL	304P0010P
	4M/13.1 FT.	#22 (PUR)	504A0131L	504A0131AL	504C0131L	504C0131AL	304P0010P
	5M/16.4 FT.	#22 (PUR)	504A0164L	504A0164AL	504C0164L	504C0164AL	304P0010P
	2M/6.6 FT.	#22 (PUR)	505A0066L	505A0066AL	505C0066L	505C0066AL	305P0010P
	4M/13.1 FT.	#22 (PUR)	505A0131L	505A0131AL	505C0131L	505C0131AL	305P0010P
	5M/16.4 FT.	#22 (PUR)	505A0164L	505A0164AL	505C0164L	505C0164AL	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 (PUR)	503E0066L	503E0066AL	503F0066L	503F0066AL	303S0010P
	4M/13.1 FT.	#22 (PUR)	503E0131L	503E0131AL	503F0131L	503F0131AL	303S0010P
	5M/16.4 FT.	#22 (PUR)	503E0164L	503E0164AL	503F0164L	503F0164AL	303S0010P
	2M/6.6 FT.	#22 (PUR)	504E0066L	504E0066AL	504F0066L	504F0066AL	304S0010P
	4M/13.1 FT.	#22 (PUR)	504E0131L	504E0131AL	504F0131L	504F0131AL	304S0010P
	5M/16.4 FT.	#22 (PUR)	504E0164L	504E0164AL	504F0164L	504F0164AL	304S0010P
	2M/6.6 FT.	#22 (PUR)	505E0066L	505E0066AL	505F0066L	505F0066AL	305S0010P
	4M/13.1 FT.	#22 (PUR)	505E0131L	505E0131AL	505F0131L	505F0131AL	305S0010P
	5M/16.4 FT.	#22 (PUR)	505E0164L	505E0164AL	505F0164L	505F0164AL	305S0010P





SINGLE KEY (M12) TPE MICRO-LINK™ PLUG ASSEMBLIES

SPECIFICATIONS

MATERIALS

Body	PUR
O-Ring	Nitrile Rubber
Contact	Brass, Gold Plated over Nickel
Coupling Nut	Machined Aluminum, Black Anodized
Cable	#18 AWG TPE 41 x #34 Stranding, 105°C, UL Recognized, CSA Certified
Cable Diameters	#18 AWG TPE, 3/C-.26", 4/C-.26", 5/C-.26"

ELECTRICAL

Voltage Rating	250 VAC/300 VDC
Current	#18 AWG-5A
Contact Resistance	≤5mΩ

ENVIRONMENTAL

Protection	IP67
Operating Temp	PUR: -20°C to 80°C

CERTIFICATIONS

 Recognized,
File No. E165657

 Certified,
File No. E165657

OPTIONS

Plastic Couplers
Stainless Steel Couplers

FEMALE PLUGS

PLUG ASSEMBLY PART NUMBERS

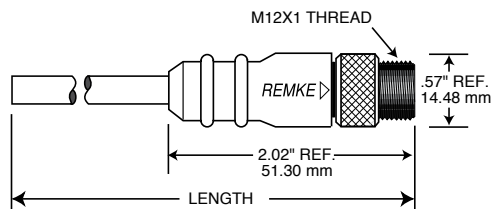
NUMBER OF POLES	Female Contact Rotation	Wiring Color Code
3		1-Brown 2-Not Used 3-Blue 4-Black
4		1-Brown 2-White 3-Blue 4-Black
5		1-Brown 2-White 3-Blue 4-Black 5-Gray

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

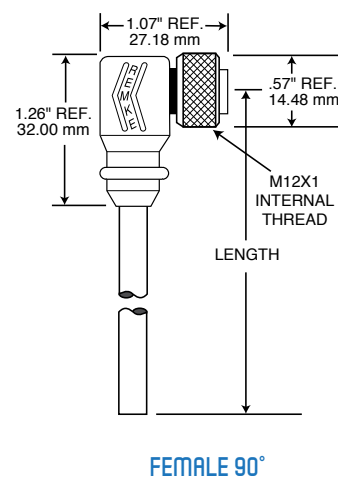
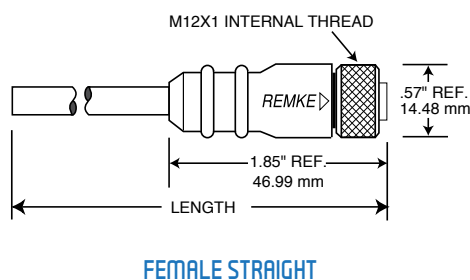
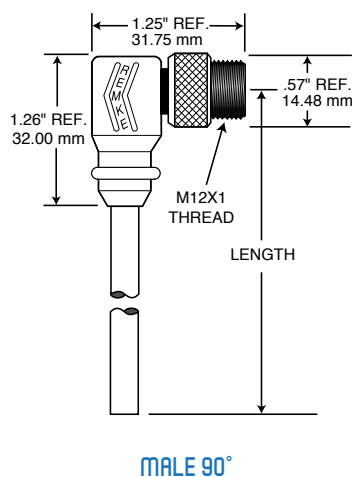
*Braid not electrically connected.



MALE STRAIGHT

	Length	Wire Gauge (AWG)	Straight Plug	90° Plug	Mating Male Receptacle
	2M/6.6 FT.	#18 (TPE)	503A0066AR	503C0066AR	303P0010N
	4M/13.1 FT.	#18 (TPE)	503A0131AR	503C0131AR	303P0010N
	5M/16.4 FT.	#18 (TPE)	503A0164AR	503C0164AR	303P0010N
	2M/6.6 FT.	#18 (TPE)	504A0066AR	504C0066AR	304P0010N
	4M/13.1 FT.	#18 (TPE)	504A0131AR	504C0131AR	304P0010N
	5M/16.4 FT.	#18 (TPE)	504A0164AR	504C0164AR	304P0010N
	2M/6.6 FT.	#18 (TPE)	505A0066AR	505C0066AR	305P0010N
	4M/13.1 FT.	#18 (TPE)	505A0131AR	505C0131AR	305P0010N
	5M/16.4 FT.	#18 (TPE)	505A0164AR	505C0164AR	305P0010N

	Length	Wire Gauge (AWG)	Straight Plug	90° Plug	Mating Female Receptacle
	2M/6.6 FT.	#18 (TPE)	503E0066AR	503F0066AR	303S0010N
	4M/13.1 FT.	#18 (TPE)	503E0131AR	503F0131AR	303S0010N
	5M/16.4 FT.	#18 (TPE)	503E0164AR	503F0164AR	303S0010N
	2M/6.6 FT.	#18 (TPE)	504E0066AR	504F0066AR	304S0010N
	4M/13.1 FT.	#18 (TPE)	504E0131AR	504F0131AR	304S0010N
	5M/16.4 FT.	#18 (TPE)	504E0164AR	504F0164AR	304S0010N
	2M/6.6 FT.	#18 (TPE)	505E0066AR	505F0066AR	305S0010N
	4M/13.1 FT.	#18 (TPE)	505E0131AR	505F0131AR	305S0010N
	5M/16.4 FT.	#18 (TPE)	505E0164AR	505F0164AR	305S0010N





SINGLE KEY (M12) TPE MICRO-LINK™ CABLE ASSEMBLIES

SPECIFICATIONS

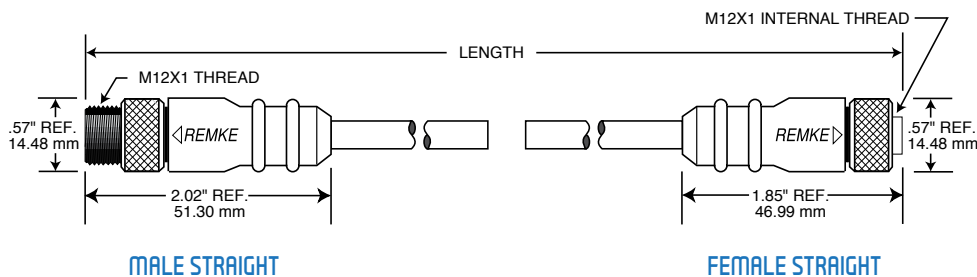
MATERIALS		ENVIRONMENTAL	
Body	PUR	Protection	IP67
O-Ring	Nitrile Rubber	Operating Temp	PUR: -20°C to 80°C
Contact	Brass, Gold Plated over Nickel		
Coupling Nut	Machined Aluminum, Black Anodized	CERTIFICATIONS	
Cable	#18 AWG TPE 41 x #34 Stranding, 105°C, UL Recognized, CSA Certified		Recognized, File No. E165657
			Certified, File No. E165657
Cable Diameters	#18 AWG TPE, 3/C-.26", 4/C-.26", 5/C-.26"	OPTIONS	
ELECTRICAL		Plastic Couplers	
Voltage Rating	250 VAC/300 VDC	Stainless Steel Couplers	
Current	#18 AWG-5A	90° Style Male or Female bodies	
Contact Resistance	≤5mΩ		

MALE/FEMALE PLUGS

PLUG ASSEMBLY PART NUMBERS

Number of Poles	Male Contact Rotation	Female Contact Rotation	Wiring Color Code	Length	Wire Gauge (AWG)	Male/Female
3			1-Brown 2-Not Used 3-Blue 4-Black	2M/6.6 FT.	#18 (TPE)	503K0066AR
				4M/13.1 FT.	#18 (TPE)	503K0131AR
				5M/16.4 FT.	#18 (TPE)	503K0164AR
4			1-Brown 2-White 3-Blue 4-Black	2M/6.6 FT.	#18 (TPE)	504K0066AR
				4M/13.1 FT.	#18 (TPE)	504K0131AR
				5M/16.4 FT.	#18 (TPE)	504K0164AR
5			1-Brown 2-White 3-Blue 4-Black 5-Gray	2M/6.6 FT.	#18 (TPE)	505K0066AR
				4M/13.1 FT.	#18 (TPE)	505K0131AR
				5M/16.4 FT.	#18 (TPE)	505K0164AR

*Braid not electrically connected.



MALE STRAIGHT

FEMALE STRAIGHT

[illegible]



SINGLE KEY (M12) RUBBER MICRO-LINK™ PLUG ASSEMBLIES

SPECIFICATIONS

MATERIALS

Body	Rubber
O-Ring	Nitrile Rubber
Contact	Brass, Gold Plated over Nickel
Coupling Nut	Machined Aluminum, Black Anodized
Cable	#18 AWG PUR 41 x #34 Stranding, 80°C, UL Recognized, CSA Certified
Cable Diameters	#18 AWG SJ00W, 3/C-.33", 4/C-.36", 5/C-.39"

ELECTRICAL

Voltage Rating	250 VAC/300 VDC
Current	#18 AWG-5A
Contact Resistance	≤5mΩ

ENVIRONMENTAL

Protection	IP67
Operating Temp	SJ00W: -50°C to 90°C (UL), -34°C to 90°C(CSA)

CERTIFICATIONS



Recognized,
File No. E165657



Certified,
File No. E165657

OPTIONS

Plastic Couplers
Stainless Steel Couplers

FEMALE PLUGS

PLUG ASSEMBLY PART NUMBERS

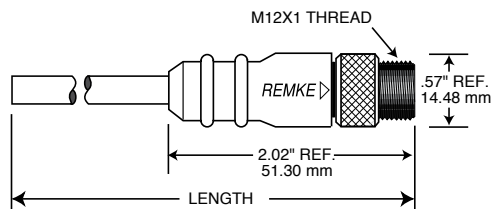
NUMBER OF POLES	Female Contact Rotation	Wiring Color Code
3		1-Brown 2-Not Used 3-Blue 4-Black
4		1-Brown 2-White 3-Blue 4-Black
5		1-Brown 2-White 3-Blue 4-Black 5-Gray

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

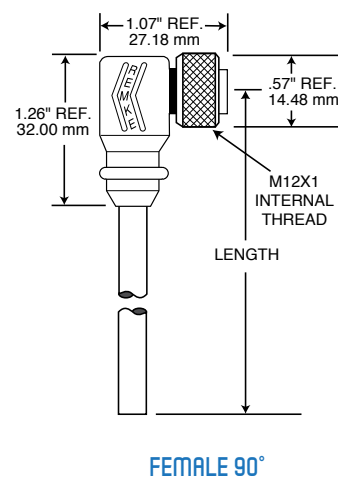
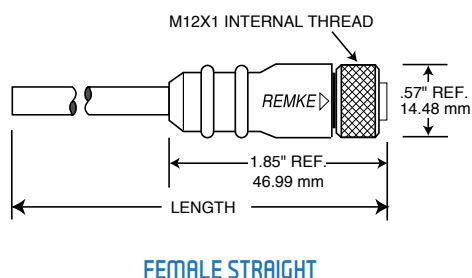
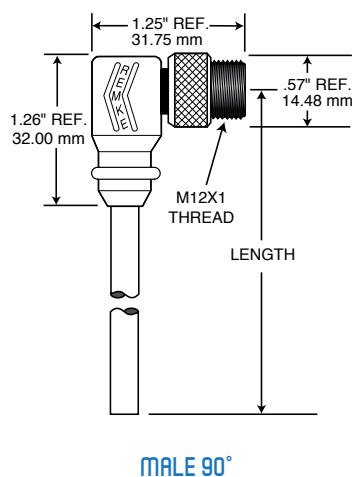
*Braid not electrically connected.



MALE STRAIGHT

	Length	Wire Gauge (AWG)	Straight Plug	90° Plug	Mating Male Receptacle
	2M/6.6 FT.	#18 (SJ00W)	703A0066D	703C0066D	303P0010N
	4M/13.1 FT.	#18 (SJ00W)	703A0131D	703C0131D	303P0010N
	5M/16.4 FT.	#18 (SJ00W)	703A0164D	703C0164D	303P0010N
	2M/6.6 FT.	#18 (SJ00W)	704A0066D	704C0066D	304P0010N
	4M/13.1 FT.	#18 (SJ00W)	704A0131D	704C0131D	304P0010N
	5M/16.4 FT.	#18 (SJ00W)	704A0164D	704C0164D	304P0010N
	2M/6.6 FT.	#18 (SJ00W)	705A0066D	705C0066D	305P0010N
	4M/13.1 FT.	#18 (SJ00W)	705A0131D	705C0131D	305P0010N
	5M/16.4 FT.	#18 (SJ00W)	705A0164D	705C0164D	305P0010N

	Length	Wire Gauge (AWG)	Straight Plug	90° Plug	Mating Female Receptacle
	2M/6.6 FT.	#18 (SJ00W)	703E0066D	703F0066D	303S0010N
	4M/13.1 FT.	#18 (SJ00W)	703E0131D	703F0131D	303S0010N
	5M/16.4 FT.	#18 (SJ00W)	703E0164D	703F0164D	303S0010N
	2M/6.6 FT.	#18 (SJ00W)	704E0066D	704F0066D	304S0010N
	4M/13.1 FT.	#18 (SJ00W)	704E0131D	704F0131D	304S0010N
	5M/16.4 FT.	#18 (SJ00W)	704E0164D	704F0164D	304S0010N
	2M/6.6 FT.	#18 (SJ00W)	705E0066D	705F0066D	305S0010N
	4M/13.1 FT.	#18 (SJ00W)	705E0131D	705F0131D	305S0010N
	5M/16.4 FT.	#18 (SJ00W)	705E0164D	705F0164D	305S0010N





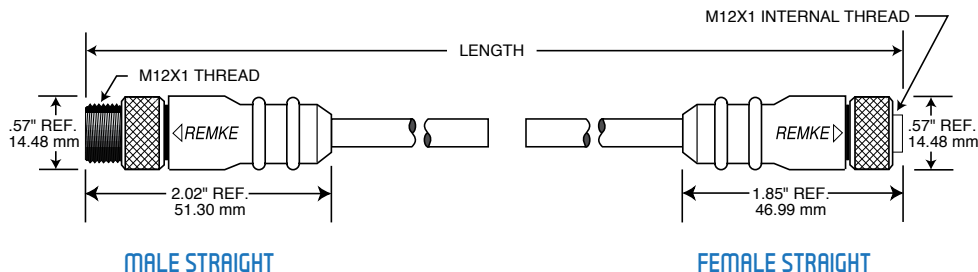
SINGLE KEY (M12) RUBBER MICRO-LINK™ CABLE ASSEMBLIES

SPECIFICATIONS			
MATERIALS		ENVIRONMENTAL	
Body	Rubber	Protection	IP67
O-Ring	Nitrile Rubber	Operating Temp	SJOOW: -50°C to 90°C (UL), -34°C to 90° (CSA)
Contact	Brass, Gold Plated over Nickel	CERTIFICATIONS	
Coupling Nut	Machined Aluminum, Black Anodized	Recognized, File No. E165657 Certified, File No. E165657	
Cable	#18 AWG SJOOW NBR/PVC Rubber 41 x #34 Stranding, 90°C, UL Recognized, CSA Certified		
Cable Diameters	#18 AWG SJOOW, 3/C-.33", 4/C-.36", 5/C-.39"	OPTIONS	
ELECTRICAL		Plastic Couplers	
Voltage Rating	250 VAC/300 VDC	Stainless Steel Couplers	
Current	#18 AWG-5A	90° Style Male or Female bodies	
Contact Resistance	≤5mΩ		

MALE/FEMALE PLUGS

PLUG ASSEMBLY PART NUMBERS						
Number of Poles	Male Contact Rotation	Female Contact Rotation	Wiring Color Code	Length	Wire Gauge (AWG)	Male/Female Rubber (Non-Braided)
3			1-Brown 2-Not Used 3-Blue 4-Black	2M/6.6 FT.	#18 (SJOOW)	703K0066D
				4M/13.1 FT.	#18 (SJOOW)	703K0131D
				5M/16.4 FT.	#18 (SJOOW)	703K0164D
4			1-Brown 2-White 3-Blue 4-Black	2M/6.6 FT.	#18 (SJOOW)	704K0066D
				4M/13.1 FT.	#18 (SJOOW)	704K0131D
				5M/16.4 FT.	#18 (SJOOW)	704K0164D
5			1-Brown 2-White 3-Blue 4-Black 5-Gray	2M/6.6 FT.	#18 (SJOOW)	705K0066D
				4M/13.1 FT.	#18 (SJOOW)	705K0131D
				5M/16.4 FT.	#18 (SJOOW)	705K0164D

*Braid not electrically connected.



MALE STRAIGHT

FEMALE STRAIGHT



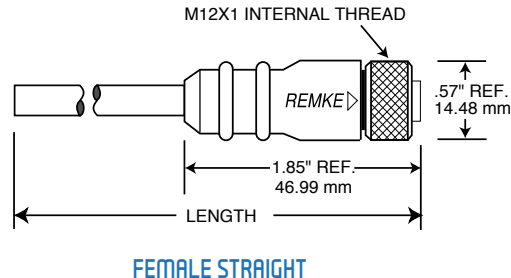
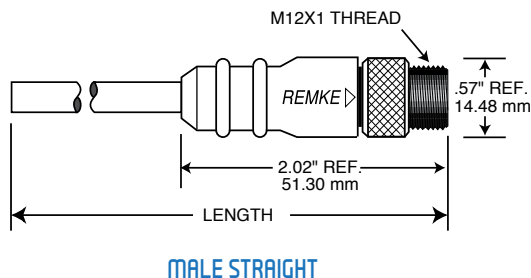
SINGLE KEY (M12) SHIELDED TO COUPLER MICRO-LINK™ PLUG ASSEMBLIES

SPECIFICATIONS			
MATERIALS		ELECTRICAL	
Body	PUR	Voltage Rating	250 VAC/300 VDC
O-Ring	Nitrile Rubber	Current	#22 AWG-4A
Contact	Brass, Gold Plated over Nickel	Contact Resistance	≤5mΩ
Coupling Nut	Nickel-Plated Brass	ENVIRONMENTAL	
Cable	#22 AWG TPE 26 x #36 Stranding, 105°C	Protection	IP67
Cable Shield	Aluminum Mylar with drain wire	Operating Temp	PUR: -20°C to 80°C
Cable Diameters	#22 AWG TPE, 3/C-.21", 4/C-.23", 5/C-.25"	CERTIFICATIONS	
		Pending	

MALE/FEMALE PLUGS

PLUG ASSEMBLY PART NUMBERS									
Number of Poles	Male Contact Rotation	Female Contact Rotation	Wiring Color Code	Length	Wire Gauge (AWG)	Female Straight Plug	Male Mating Receptacle	Male Straight Plug	Female Mating Receptacle
3			1-Brown 2-Not Used 3-Blue 4-Black	2M/6.6 FT.	# 22 (PUR)	503A0066AB9	303P0010P9	503E0066AB9	303S0010P9
				4M/13.1 FT.	# 22 (PUR)	503A0131AB9	303P0010P9	503E0131AB9	303S0010P9
				5M/16.4 FT.	# 22 (PUR)	503A0164AB9	303P0010P9	503E0164AB9	303S0010P9
4			1-Brown 2-White 3-Blue 4-Black	2M/6.6 FT.	# 22 (PUR)	504A0066AB9	304P0010P9	504E0066AB9	304S0010P9
				4M/13.1 FT.	# 22 (PUR)	504A0131AB9	304P0010P9	504E0131AB9	304S0010P9
				5M/16.4 FT.	# 22 (PUR)	504A0164AB9	304P0010P9	504E0164AB9	304S0010P9
5			1-Brown 2-White 3-Blue 4-Black 5-Gray	2M/6.6 FT.	# 22 (PUR)	505A0066AB9	305P0010P9	505E0066AB9	305S0010P9
				4M/13.1 FT.	# 22 (PUR)	505A0131AB9	305P0010P9	505E0131AB9	305S0010P9
				5M/16.4 FT.	# 22 (PUR)	505A0164AB9	305P0010P9	505E0164AB9	305S0010P9

*Braid not electrically connected.



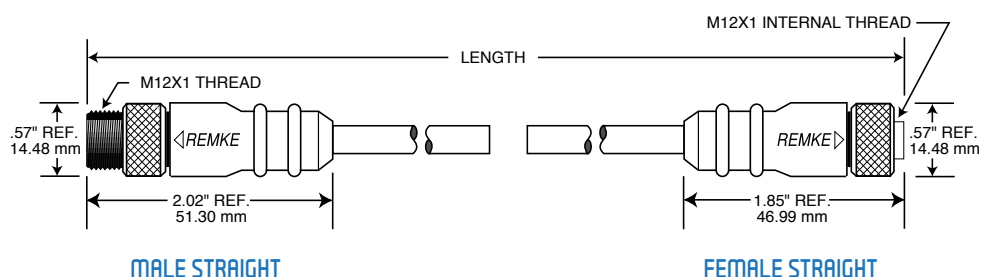


SPECIFICATIONS			
MATERIALS		ELECTRICAL	
Body	PUR	Voltage Rating	250 VAC/300 VDC
O-Ring	Nitrile Rubber	Current	#22 AWG-4A
Contact	Brass, Gold Plated over Nickel	Contact Resistance	≤5mΩ
Coupling Nut	Nickel-Plated Brass	ENVIRONMENTAL	
Cable	#22 AWG TPE 26 x #36 Stranding, 105°C	Protection	IP67
Cable Shield	Aluminum Mylar with drain wire	Operating Temp	PUR: -20°C to 80°C
Cable Diameters	#22 AWG TPE, 3/C-.21", 4/C-.23", 5/C-.25"	CERTIFICATIONS	
		Pending	

SINGLE KEY (M12) SHIELDED TO COUPLER MICRO-LINK™ CABLE ASSEMBLIES

MALE/FEMALE PLUGS

PLUG ASSEMBLY PART NUMBERS						
Number of Poles	Male Contact Rotation	Female Contact Rotation	Wiring Color Code	Length	Wire Gauge (AWG)	Male/Female
3			1-Brown 2-Not Used 3-Blue 4-Black	2M/6.6 FT.	# 22 (TPE)	503K0066AB9
				4M/13.1 FT.	# 22 (TPE)	503K0131AB9
				5M/16.4 FT.	# 22 (TPE)	503K0164AB9
4			1-Brown 2-White 3-Blue 4-Black	2M/6.6 FT.	# 22 (TPE)	504K0066AB9
				4M/13.1 FT.	# 22 (TPE)	504K0131AB9
				5M/16.4 FT.	# 22 (TPE)	504K0164AB9
5			1-Brown 2-White 3-Blue 4-Black 5-Gray	2M/6.6 FT.	# 22 (TPE)	505K0066AB9
				4M/13.1 FT.	# 22 (TPE)	505K0131AB9
				5M/16.4 FT.	# 22 (TPE)	505K0164AB9



CORD CONNECTORS

WIRE MESH GRIPS

PICO-LINK

MICRO-LINK

ETHERLINK

MINI-LINK

MULTI-PORT BOXES

BUS SYSTEM
PRODUCTS



SINGLE KEY (M12) MICRO-LINK™ RECEPTACLES

SPECIFICATIONS

MATERIALS

O-Ring	Nitrile Rubber
Contact	Brass, Gold Plated over Nickel
Shell	Machined Aluminum, Black Anodized
Lock Nut	Plated Steel (not pictured)
Wire	#22 AWG PVC Insulated 26 x #36 Stranding, 80°C

ELECTRICAL

Voltage Rating	250 VAC/300 VDC
Current	#22 AWG-4A, #18 AWG-5A
Contact Resistance	≤5mΩ

ENVIRONMENTAL

Protection	IP67
Operating Temp	-20°C to 80°C

CERTIFICATIONS



Recognized,
File No. E165657



Certified,
File No. E165657

NOTE

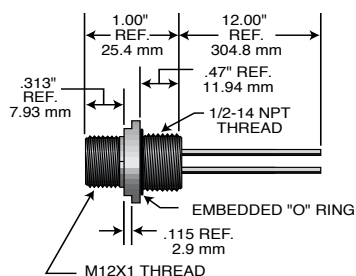
For use w/ shielded cordsets, add suffix "9" (ex: 303P0010P9).
Knock-out dimensions in Tuff-Link Technical Reference Section.

OPTION

#18 AWG (PVC) Leads
Stainless Steel Shells
Not available on back panel mount styles

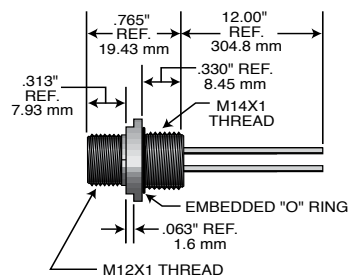
MALE

1/2" NPT (FIG. A)



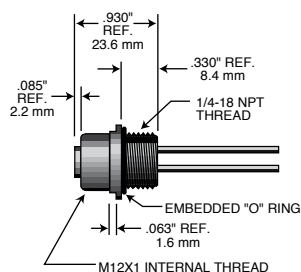
MALE

M14 X 1 (FIG. B)



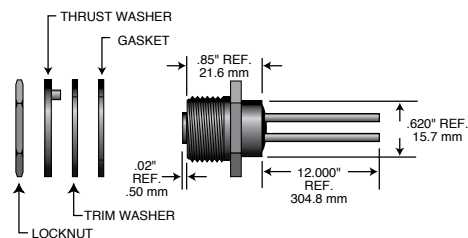
FEMALE

1/4" NPT (FIG. C)



FEMALE

BACK PANEL MOUNT (FIG. D)



MALE

RECEPTACLE PART NUMBERS					
Number of Poles	Male Contact Rotation	Wiring Color Code	Wire Gauge (AWG)	1/2" NPT (Fig. A)	M14 x 1 (Fig. B)
3		1-Brown 2-Not Used 3-Blue 4-Black	#22 (PVC)	303P0010P	303T0010P
4		1-Brown 2-White 3-Blue 4-Black	#22 (PVC)	304P0010P	304T0010P
5		1-Brown 2-White 3-Blue 4-Black 5-Gray	#22 (PVC)	305P0010P	305T0010P

NOTES:
Add Suffix 'N' for #18 AWG | Add Suffix 'AS' for #24/1C PVC.

FEMALE

RECEPTACLE PART NUMBERS					
Number of Poles	Female Contact Rotation	Wiring Color Code	Wire Gauge (AWG)	1/4" NPT (Fig. C)	Back Panel Mount (#18 AWG) (Fig. D)
3		1-Brown 2-Not Used 3-Blue 4-Black	#22 (PVC)	303S0010P	303W0010N
4		1-Brown 2-White 3-Blue 4-Black	#22 (PVC)	304S0010P	304W0010N
5		1-Brown 2-White 3-Blue 4-Black 5-Gray	#22 (PVC)	305S0010P	305W0010N

NOTES:
Add Suffix 'AS' for #24/1C PVC.

CORD CONNECTORS

WIRE MESH GRIPS

PICO-LINK

MICRO-LINK

ETHERLINK

MINI-LINK

MULTI-PORT BOXES

BUS SYSTEM PRODUCTS



DUAL KEY PVC MICRO-LINK™ PLUG ASSEMBLIES

SPECIFICATIONS

MATERIALS

Body	PVC
O-Ring	Nitrile Rubber
Contact	Brass, Gold Plated over Nickel
Coupling Nut	Machined Aluminum, Clear 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 w/ braid, 2/C-.17", 3/C-.18", 4/C-.19", 5/C-.21", 6/C-.22" #22 AWG PVC w/braid, 2/C-.23", 3/C-.23", 4/C-.25", 5/C-.26", 6/C-.29" (braid not electrically connected) #18 AWG PVC, 2/C-.29", 3/C-.29", 4/C-.29", 5/C-.29"

ELECTRICAL

Voltage Rating	250 VAC/300 VDC
Current	#22 AWG-2 to 5 Pole-4A, 6 Pole-3A, #18 AWG-5A
Contact Resistance	≤5mΩ

ENVIRONMENTAL

Protection	IP67
Operating Temp	PVC: -20°C to 105°C

CERTIFICATIONS



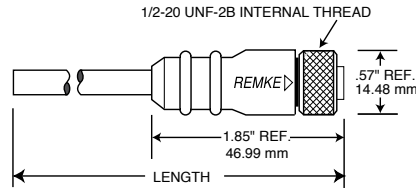
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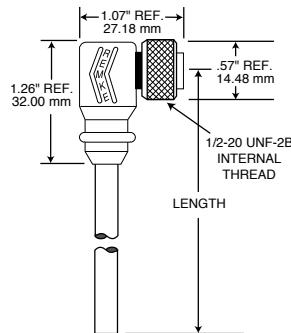
Certified, File No. E165657

OPTIONS

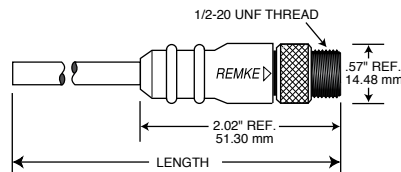
#18 AWG (PVC) Plug Assemblies (2 thru 5 Pole)
Stainless Steel Couplers
Plastic Couplers



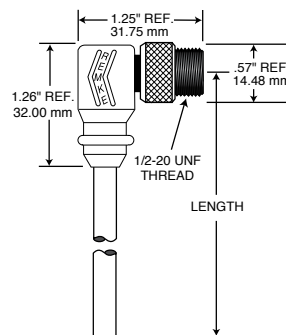
FEMALE STRAIGHT



FEMALE 90°



MALE STRAIGHT



MALE 90°

FEMALE PLUGS

PLUG ASSEMBLY PART NUMBERS

Number of Poles	Female Contact Rotation	Wiring Color Code
2		1-Brown 2-Blue
3		1-Green 2-Red/Black 3-Red/White
4		1-Red/Black 2-Red/White 3-Red 4-Green
5		1-Red/White 2-Red 3-Green 4-Red/Yellow 5-Red/Black
6		1-Red/White 2-Red 3-Green 4-Red/Yellow 5-Red/Black 6-Red/Blue

MALE PLUGS

PLUG ASSEMBLY PART NUMBERS

Number of Poles	Male Contact Rotation	Wiring Color Code
2		1-Brown 2-Blue
3		1-Green 2-Red/Black 3-Red/White
4		1-Red/Black 2-Red/White 3-Red 4-Green
5		1-Red/White 2-Red 3-Green 4-Red/Yellow 5-Red/Black
6		1-Red/White 2-Red 3-Green 4-Red/Yellow 5-Red/Black 6-Red/Blue

*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
6 FT/1.8M	#22 (PVC)	202A0060T	202A0060G	202C0060T	202C0060G	202P0010P
12 FT/3.6M	#22 (PVC)	202A0120T	202A0120G	202C0120T	202C0120G	202P0010P
20 FT/6.1M	#22 (PVC)	202A0200T	202A0200G	202C0200T	202C0200G	202P0010P
6 FT/1.8M	#22 (PVC)	203A0060T	203A0060G	203C0060T	203C0060G	203P0010P
12 FT/3.6M	#22 (PVC)	203A0120T	203A0120G	203C0120T	203C0120G	203P0010P
20 FT/6.1M	#22 (PVC)	203A0200T	203A0200G	203C0200T	203C0200G	203P0010P
6 FT/1.8M	#22 (PVC)	204A0060T	204A0060G	204C0060T	204C0060G	204P0010P
12 FT/3.6M	#22 (PVC)	204A0120T	204A0120G	204C0120T	204C0120G	204P0010P
20 FT/6.1M	#22 (PVC)	204A0200T	204A0200G	204C0200T	204C0200G	204P0010P
6 FT/1.8M	#22 (PVC)	205A0060T	205A0060G	205C0060T	205C0060G	205P0010P
12 FT/3.6M	#22 (PVC)	205A0120T	205A0120G	205C0120T	205C0120G	205P0010P
20 FT/6.1M	#22 (PVC)	205A0200T	205A0200G	205C0200T	205C0200G	205P0010P
6 FT/1.8M	#22 (PVC)	206A0060T	206A0060G	206C0060T	206C0060G	206P0010P
12 FT/3.6M	#22 (PVC)	206A0120T	206A0120G	206C0120T	206C0120G	206P0010P
20 FT/6.1M	#22 (PVC)	206A0200T	206A0200G	206C0200T	206C0200G	206P0010P

Length	Wire Gauge (AWG)	Straight Plug Non-Braided	Straight Plug Braided*	90° Plug Non-Braided	90 Plug Braided*	Mating Female Receptacle
6 FT/1.8M	#22 (PVC)	202E0060T	202E0060G	202F0060T	202F0060G	202S0010P
12 FT/3.6M	#22 (PVC)	202E0120T	202E0120G	202F0120T	202F0120G	202S0010P
20 FT/6.1M	#22 (PVC)	202E0200T	202E0200G	202F0200T	202F0200G	202S0010P
6 FT/1.8M	#22 (PVC)	203E0060T	203E0060G	203F0060T	203F0060G	203S0010P
12 FT/3.6M	#22 (PVC)	203E0120T	203E0120G	203F0120T	203F0120G	203S0010P
20 FT/6.1M	#22 (PVC)	203E0200T	203E0200G	203F0200T	203F0200G	203S0010P
6 FT/1.8M	#22 (PVC)	204E0060T	204E0060G	204F0060T	204F0060G	204S0010P
12 FT/3.6M	#22 (PVC)	204E0120T	204E0120G	204F0120T	204F0120G	204S0010P
20 FT/6.1M	#22 (PVC)	204E0200T	204E0200G	204F0200T	204F0200G	204S0010P
6 FT/1.8M	#22 (PVC)	205E0060T	205E0060G	205F0060T	205F0060G	205S0010P
12 FT/3.6M	#22 (PVC)	205E0120T	205E0120G	205F0120T	205F0120G	205S0010P
20 FT/6.1M	#22 (PVC)	205E0200T	205E0200G	205F0200T	205F0200G	205S0010P
6 FT/1.8M	#22 (PVC)	206E0060T	206E0060G	206F0060T	206F0060G	206S0010P
12 FT/3.6M	#22 (PVC)	206E0120T	206E0120G	206F0120T	206F0120G	206S0010P
20 FT/6.1M	#22 (PVC)	206E0200T	206E0200G	206F0200T	206F0200G	206S0010P



DUAL KEY PVC MICRO-LINK™ CABLE ASSEMBLIES

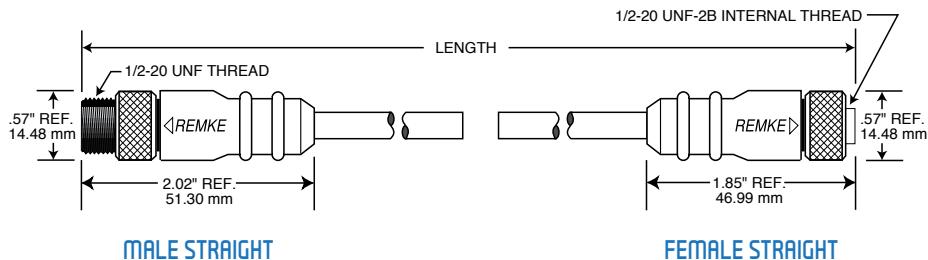
Distributed by Gross Automation | +1 (262) 252-1600 | sales@grossautomation.com

SPECIFICATIONS			
MATERIALS		ELECTRICAL	
Body	PVC	Voltage Rating	250 VAC/300 VDC
O-Ring	Nitrile Rubber	Current	#22 AWG-2 to 5 Pole -4A, 6 Pole-3A #18 AWG-5A
Contact	Brass, Gold Plated over Nickel		
Coupling Nut	Machined Aluminum, Clear Anodized	Contact Resistance	≤5mΩ
Cable	#22AWG PVC 26 x #36 Stranding, 105°C, or #18 AWG PVC 41 x #34 Stranding, 105°C, UL Recognized, CSA Certified	ENVIRONMENTAL	
		Protection	IP67
Cable Diameters	#22 AWG PVC w/braid, 2/C-.17", 3/C-.18", 4/C-.19", 5/C-.21", 6/C-.22"	Operating Temp	PVC: -20°C to 105°C
	#22 AWG PVC w/braid, 2/C-.23", 3/C-.23", 4/C-.25", 5/C-.26", 6/C-.29"(braid not electronically connected)	CERTIFICATIONS	
	#18 AWG PVC 2/C-.29", 3/C-.29", 4/C-.29", 5/C-.29"	Recognized, File No. E165657 Certified, File No. E165657	OPTIONS #18 AWG (PVC) Cord Sets (2-5 pole) Stainless Steel Couplers Plastic Couplers 90 Degree Style Male or Female Bodies

MALE/FEMALE PLUGS

PLUG ASSEMBLY PART NUMBERS							
Number of Poles	Male Contact Rotation	Female Contact Rotation	Wiring Color Code	Length	Wire Gauge (AWG)	Male/Female Non-Braided	Male/Female Braided*
2			1-Brown 2-Blue	6 FT/1.8M	#22 (PVC)	202K0060T	202K0060G
				12 FT/3.6M	#22 (PVC)	202K0120T	202K0120G
				20 FT/6.1M	#22 (PVC)	202K0200T	202K0200G
3			1-Green 2-Red/Black 3-Red/White	6 FT/1.8M	#22 (PVC)	203K0060T	203K0060G
				12 FT/3.6M	#22 (PVC)	203K0120T	203K0120G
				20 FT/6.1M	#22 (PVC)	203K0200T	203K0200G
4			1-Red/Black 2-Red/White 3-Red 4-Green	6 FT/1.8M	#22 (PVC)	204K0060T	204K0060G
				12 FT/3.6M	#22 (PVC)	204K0120T	204K0120G
				20 FT/6.1M	#22 (PVC)	204K0200T	204K0200G
5			1-Red/White 2-Red 3-Green 4-Red/Yellow 5-Red/Black	6 FT/1.8M	#22 (PVC)	205K0060T	205K0060G
				12 FT/3.6M	#22 (PVC)	205K0120T	205K0120G
				20 FT/6.1M	#22 (PVC)	205K0200T	205K0200G
6			1-Red/White 2-Red 3-Green 4-Red/Yellow 5-Red/Black 6-Red/Blue	6 FT/1.8M	#22 (PVC)	206K0060T	206K0060G
				12 FT/3.6M	#22 (PVC)	206K0120T	206K0120G
				20 FT/6.1M	#22 (PVC)	206K0200T	206K0200G

*Braided not electrically connected.





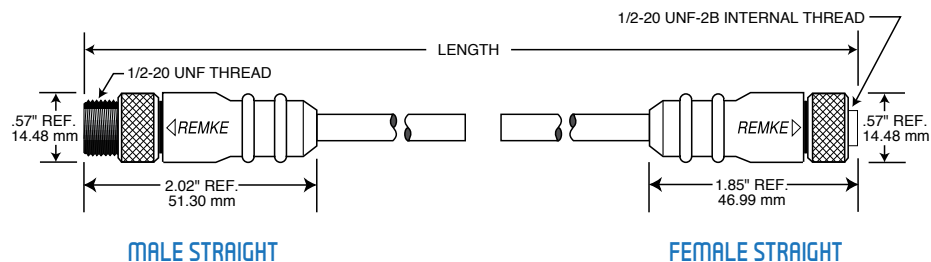
DUAL KEY PUR MICRO-LINK™ CABLE ASSEMBLIES

SPECIFICATIONS			
MATERIALS		ELECTRICAL	
Body	PUR	Voltage Rating	250 VAC/300 VDC
O-Ring	Nitrile Rubber	Current	#22 AWG-2 to 5 Pole -4A, 6 Pole-3A, #18 AWG-5A
Contact	Brass, Gold Plated over Nickel	Contact Resistance	≤5mΩ
Coupling Nut	Machined Aluminum, Clear Anodized	ENVIRONMENTAL	
Cable	#22AWG PUR 26 x #36 Stranding, 80°C, or #18 AWG PUR 41 x #34 Stranding, 80°C, UL Recognized, CSA Certified	Protection	IP67
Cable Diameters	#22 AWG PUR w/braid, 2/C-.17", 3/C-.18", 4/C-.19", 5/C-.21", 6/C-.22" #22 AWG PUR w/braid, 2/C-.23", 3/C-.23", 4/C-.25", 5/C-.26", 6/C-.29" (braid not connected electronically) #18 AWG PUR 2/C-.26", 4/C-.26", 5/C-.26"	Operating Temp	PUR: -20°C to 80°C
		CERTIFICATIONS	
			Recognized, File No. E165657
			Certified, File No. E165657
		OPTIONS	
		#18 AWG (PVC) Cord Sets (2-5 pole)	
		Stainless Steel Couplers	
		90 Degree Style Male or Female Bodies	
		Plastic Couplers	

MALE/FEMALE PLUGS

PLUG ASSEMBLY PART NUMBERS							
Number of Poles	Male Contact Rotation	Female Contact Rotation	Wiring Color Code	Length	Wire Gauge (AWG)	Male/Female Non-Braided	Male/Female Braided*
2			1-Brown 2-Blue	6 FT/1.8M	#22 (PUR)	402K0060K	402K0060AK
				12 FT/3.6M	#22 (PUR)	402K0120K	402K0120AK
				20 FT/6.1M	#22 (PUR)	402K0200K	402K0200AK
3			1-Green 2-Red/Black 3-Red/White	6 FT/1.8M	#22 (PUR)	403K0060K	403K0060AK
				12 FT/3.6M	#22 (PUR)	403K0120K	403K0120AK
				20 FT/6.1M	#22 (PUR)	403K0200K	403K0200AK
4			1-Red/Black 2-Red/White 3-Red 4-Green	6 FT/1.8M	#22 (PUR)	404K0060K	404K0060AK
				12 FT/3.6M	#22 (PUR)	404K0120K	404K0120AK
				20 FT/6.1M	#22 (PUR)	404K0200K	404K0200AK
5			1-Red/White 2-Red 3-Green 4-Red/Yellow 5-Red/Black	6 FT/1.8M	#22 (PUR)	405K0060K	405K0060AK
				12 FT/3.6M	#22 (PUR)	405K0120K	405K0120AK
				20 FT/6.1M	#22 (PUR)	405K0200K	405K0200AK
6			1-Red/White 2-Red 3-Green 4-Red/Yellow 5-Red/Black 6-Red/Blue	6 FT/1.8M	#22 (PUR)	406K0060K	406K0060AK
				12 FT/3.6M	#22 (PUR)	406K0120K	406K0120AK
				20 FT/6.1M	#22 (PUR)	406K0200K	406K0200AK

*Braid not electrically connected.



MALE STRAIGHT

FEMALE STRAIGHT



DUAL KEY PUR MICRO-LINK™ PLUG ASSEMBLIES

SPECIFICATIONS

MATERIALS

Body	PUR
O-Ring	Nitrile Rubber
Contact	Brass, Gold Plated over Nickel
Coupling Nut	Machined Aluminum, Clear Anodized
Cable	#22 AWG PUR 26 x #36 Stranding, 80°C, or 18 AWG PUR 41 x #34 Stranding, 80°C, UL Recognized, CSA Certified
Cable Diameters	#22 AWG PUR w/o braid, 2/C-.17", 3/C-.18", 4/C-.19", 5/C-.21", 6/C-.22" #22 AWG PUR w/braid, 2/C-.23", 3/C-.23", 4/C-.25", 5/C-.26", 6/C-.29" (braid not electrically connected) #18 AWG PUR, 2/C-.26", 3/C-.26", 4/C-.26", 5/C-.26"

ELECTRICAL

Voltage Rating	250 VAC/300 VDC
Current	#22 AWG-2 to 5 Pole-4A, 6 Pole-3A, #18 AWG-5A
Contact Resistance	≤5mΩ

ENVIRONMENTAL

Protection	IP67
Operating Temp	PUR: -20°C to 80°C

CERTIFICATIONS



Recognized, File No. E165657



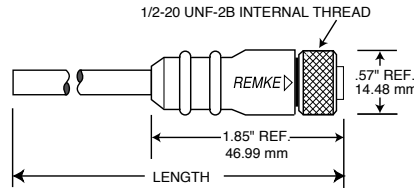
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OPTIONS

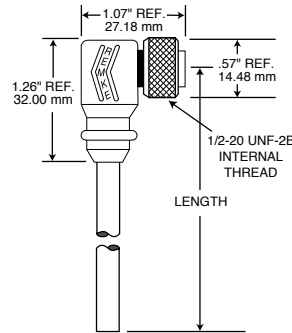
#18 AWG (PUR) Plug Assemblies (2 thru 5 Pole)

Stainless Steel Couplers

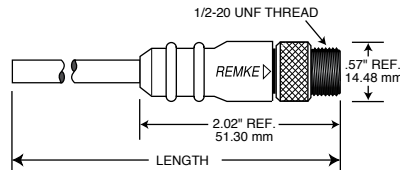
Plastic Couplers



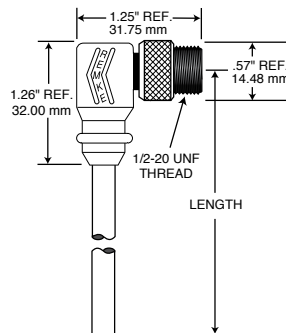
FEMALE STRAIGHT



FEMALE 90°



MALE STRAIGHT



MALE 90°

FEMALE PLUGS

PLUG ASSEMBLY PART NUMBERS

Number of Poles	Female Contact Rotation	Wiring Color Code
2		1-Brown 2-Blue
3		1-Green 2-Red/Black 3-Red/White
4		1-Red/Black 2-Red/White 3-Red 4-Green
5		1-Red/White 2-Red 3-Green 4-Red/Yellow 5-Red/Black
6		1-Red/White 2-Red 3-Green 4-Red/Yellow 5-Red/Black 6-Red/Blue

MALE PLUGS

PLUG ASSEMBLY PART NUMBERS

Number of Poles	Male Contact Rotation	Wiring Color Code
2		1-Brown 2-Blue
3		1-Green 2-Red/Black 3-Red/White
4		1-Red/Black 2-Red/White 3-Red 4-Green
5		1-Red/White 2-Red 3-Green 4-Red/Yellow 5-Red/Black
6		1-Red/White 2-Red 3-Green 4-Red/Yellow 5-Red/Black 6-Red/Blue

*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
6 FT/1.8M	#22 (PUR)	402A0060K	402A0060AK	402C0060K	402C0060AK	202P0010P
12 FT/3.6M	#22 (PUR)	402A0120K	402A0120AK	402C0120K	402C0120AK	202P0010P
20 FT/6.1M	#22 (PUR)	402A0200K	402A0200AK	402C0200K	402C0200AK	202P0010P
6 FT/1.8M	#22 (PUR)	403A0060K	403A0060AK	403C0060K	403C0060AK	203P0010P
12 FT/3.6M	#22 (PUR)	403A0120K	403A0120AK	403C0120K	403C0120AK	203P0010P
20 FT/6.1M	#22 (PUR)	403A0200K	403A0200AK	403C0200K	403C0200AK	203P0010P
6 FT/1.8M	#22 (PUR)	404A0060K	404A0060AK	404C0060K	404C0060AK	204P0010P
12 FT/3.6M	#22 (PUR)	404A0120K	404A0120AK	404C0120K	404C0120AK	204P0010P
20 FT/6.1M	#22 (PUR)	404A0200K	404A0200AK	404C0200K	404C0200AK	204P0010P
6 FT/1.8M	#22 (PUR)	405A0060K	405A0060AK	405C0060K	405C0060AK	205P0010P
12 FT/3.6M	#22 (PUR)	405A0120K	405A0120AK	405C0120K	405C0120AK	205P0010P
20 FT/6.1M	#22 (PUR)	405A0200K	405A0200AK	405C0200K	405C0200AK	205P0010P
6 FT/1.8M	#22 (PUR)	406A0060K	406A0060AK	406C0060K	406C0060AK	206P0010P
12 FT/3.6M	#22 (PUR)	406A0120K	406A0120AK	406C0120K	406C0120AK	206P0010P
20 FT/6.1M	#22 (PUR)	406A0200K	406A0200AK	406C0200K	406C0200AK	206P0010P

Length	Wire Gauge (AWG)	Straight Plug Non-Braided	Straight Plug Braided*	90° Plug Non-Braided	90 Plug Braided*	Mating Female Receptacle
6 FT/1.8M	#22 (PUR)	402E0060K	402E0060AK	402F0060K	402F0060AK	202S0010P
12 FT/3.6M	#22 (PUR)	402E0120K	402E0120AK	402F0120K	402F0120AK	202S0010P
20 FT/6.1M	#22 (PUR)	402E0200K	402E0200AK	402F0200K	402F0200AK	202S0010P
6 FT/1.8M	#22 (PUR)	403E0060K	403E0060AK	403F0060K	403F0060AK	203S0010P
12 FT/3.6M	#22 (PUR)	403E0120K	403E0120AK	403F0120K	403F0120AK	203S0010P
20 FT/6.1M	#22 (PUR)	403E0200K	403E0200AK	403F0200K	403F0200AK	203S0010P
6 FT/1.8M	#22 (PUR)	404E0060K	404E0060AK	404F0060K	404F0060AK	204S0010P
12 FT/3.6M	#22 (PUR)	404E0120K	404E0120AK	404F0120K	404F0120AK	204S0010P
20 FT/6.1M	#22 (PUR)	404E0200K	404E0200AK	404F0200K	404F0200AK	204S0010P
6 FT/1.8M	#22 (PUR)	405E0060K	405E0060AK	405F0060K	405F0060AK	205S0010P
12 FT/3.6M	#22 (PUR)	405E0120K	405E0120AK	405F0120K	405F0120AK	205S0010P
20 FT/6.1M	#22 (PUR)	405E0200K	405E0200AK	405F0200K	405F0200AK	205S0010P
6 FT/1.8M	#22 (PUR)	406E0060K	406E0060AK	406F0060K	406F0060AK	206S0010P
12 FT/3.6M	#22 (PUR)	406E0120K	406E0120AK	406F0120K	406F0120AK	206S0010P
20 FT/6.1M	#22 (PUR)	406E0200K	406E0200AK	406F0200K	406F0200AK	206S0010P



DUAL KEY TPE MICRO-LINK™ PLUG ASSEMBLIES

SPECIFICATIONS

MATERIALS

Body	PUR
O-Ring	Nitrile Rubber
Contact	Gold Plated over Nickel
Coupling Nut	Machined Aluminum, Clear Anodized
Cable	#18 AWG TPE 41 x #34 Stranding, 105°C, UL Recognized, CSA Certified
Cable Diameters	#18 AWG TPE, 2/C-.26", 3/C-.26", 4/C-.26", 5/C-.26"

ELECTRICAL

Voltage Rating	250 VAC/300 VDC
Current	#18 AWG-5A
Contact Resistance	≤5mΩ

ENVIRONMENTAL

Protection	IP67
Operating Temp	TPE: -20°C to 80°C

CERTIFICATIONS



Recognized, File No. E165657

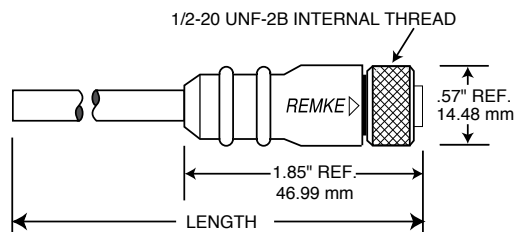


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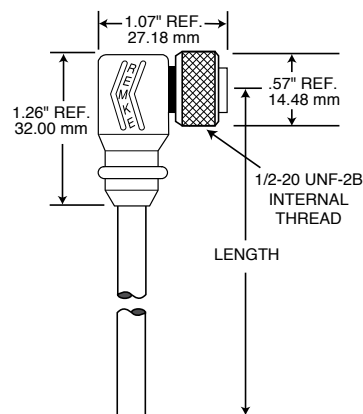
OPTIONS

Stainless Steel Couplers

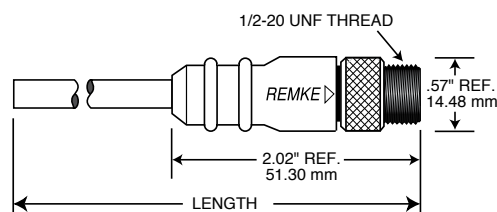
Plastic Couplers



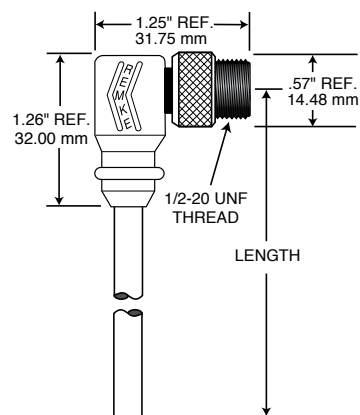
FEMALE STRAIGHT



FEMALE 90°



MALE STRAIGHT

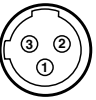


MALE 90°

FEMALE PLUGS

PLUG ASSEMBLY PART NUMBERS							
Number of Poles	Female Contact Rotation	Wiring Color Code	Length	Wire Gauge (AWG)	Straight Plug	90° Plug	Mating Male Receptacle
2		1-Brown 2-Blue	6 FT/1.8M	#18 (TPE)	402A0060AQ	402C0060AQ	202P0010N
			12 FT/3.6M	#18 (TPE)	402A0120AQ	402C0120AQ	202P0010N
			20 FT/6.1M	#18 (TPE)	402A0200AQ	402C0200AQ	202P0010N
3		1-Green 2-Red/Black 3-Red/White	6 FT/1.8M	#18 (TPE)	403A0060AQ	403C0060AQ	203P0010N
			12 FT/3.6M	#18 (TPE)	403A0120AQ	403C0120AQ	203P0010N
			20 FT/6.1M	#18 (TPE)	403A0200AQ	403C0200AQ	203P0010N
4		1-Red/Black 2-Red/White 3-Red 4-Green	6 FT/1.8M	#18 (TPE)	404A0060AQ	404C0060AQ	204P0010N
			12 FT/3.6M	#18 (TPE)	404A0120AQ	404C0120AQ	204P0010N
			20 FT/6.1M	#18 (TPE)	404A0200AQ	404C0200AQ	204P0010N
5		1-Red/White 2-Red 3-Green 4-Red/Yellow 5-Red/Black	6 FT/1.8M	#18 (TPE)	405A0060AQ	405C0060AQ	205P0010N
			12 FT/3.6M	#18 (TPE)	405A0120AQ	405C0120AQ	205P0010N
			20 FT/6.1M	#18 (TPE)	405A0200AQ	405C0200AQ	205P0010N

MALE PLUGS

PLUG ASSEMBLY PART NUMBERS							
Number of Poles	Male Contact Rotation	Wiring Color Code	Length	Wire Gauge (AWG)	Straight Plug	90° Plug	Mating Female Receptacle
2		1-Brown 2-Blue	6 FT/1.8M	#18 (TPE)	402E0060AQ	402F0060AQ	202S0010N
			12 FT/3.6M	#18 (TPE)	402E0120AQ	402F0120AQ	202S0010N
			20 FT/6.1M	#18 (TPE)	402E0200AQ	402F0200AQ	202S0010N
3		1-Green 2-Red/Black 3-Red/White	6 FT/1.8M	#18 (TPE)	403E0060AQ	403F0060AQ	203S0010N
			12 FT/3.6M	#18 (TPE)	403E0120AQ	403F0120AQ	203S0010N
			20 FT/6.1M	#18 (TPE)	403E0200AQ	403F0200AQ	203S0010N
4		1-Red/Black 2-Red/White 3-Red 4-Green	6 FT/1.8M	#18 (TPE)	404E0060AQ	404F0060AQ	204S0010N
			12 FT/3.6M	#18 (TPE)	404E0120AQ	404F0120AQ	204S0010N
			20 FT/6.1M	#18 (TPE)	404E0200AQ	404F0200AQ	204S0010N
5		1-Red/White 2-Red 3-Green 4-Red/Yellow 5-Red/Black	6 FT/1.8M	#18 (TPE)	405E0060AQ	405F0060AQ	205S0010N
			12 FT/3.6M	#18 (TPE)	405E0120AQ	405F0120AQ	205S0010N
			20 FT/6.1M	#18 (TPE)	405E0200AQ	405F0200AQ	205S0010N

CORD CONNECTORS

WIRE MESH GRIPS

PICO-LINK

MICRO-LINK

ETHERLINK

MINI-LINK

MULTI-PORT BOXES

BUS SYSTEM PRODUCTS

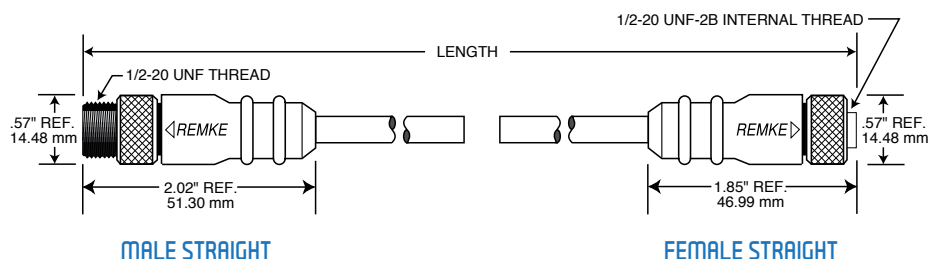


DUAL KEY TPE MICRO-LINK™ CABLE ASSEMBLIES

SPECIFICATIONS			
MATERIALS		ENVIRONMENTAL	
Body	PUR	Protection	IP67
O-Ring	Nitrile Rubber	Operating Temp	-20°C to 80°C
Contact	Brass, Gold Plated over Nickel	CERTIFICATIONS	
Coupling Nut	Machined Aluminum, Clear Anodized		
Cable	#18 AWG TPE 41 x #34 Stranding, 105°C, UL Recognized, CSA Certified		Recognized, File No. E165657
Cable Diameters	#18 AWG TPE 2/C-.26", 3/C-.26", 4/C-.26", 5/C-.26"		Certified, File No. E165657
ELECTRICAL		OPTIONS	
Voltage Rating	250 VAC/300 VDC	Stainless Steel Couplers	
Current	#18 AWG-5A	Plastic Couplers	
Contact Resistance	≤5mΩ	90 Degree Style Male or Female Bodies	

MALE/FEMALE PLUGS

PLUG ASSEMBLY PART NUMBERS						
Number of Poles	Male Contact Rotation	Female Contact Rotation	Wiring Color Code	Length	Wire Gauge (AWG)	Male/Female Assembly
2			1-Brown 2-Blue	6 FT/1.8M	#18 (TPE)	402K0060AQ
				12 FT/3.6M	#18 (TPE)	402K0120AQ
				20 FT/6.1M	#18 (TPE)	402K0200AQ
3			1-Green 2-Red/Black 3-Red/White	6 FT/1.8M	#18 (TPE)	403K0060AQ
				12 FT/3.6M	#18 (TPE)	403K0120AQ
				20 FT/6.1M	#18 (TPE)	403K0200AQ
4			1-Red/Black 2-Red/White 3-Red 4-Green	6 FT/1.8M	#18 (TPE)	404K0060AQ
				12 FT/3.6M	#18 (TPE)	404K0120AQ
				20 FT/6.1M	#18 (TPE)	404K0200AQ
5			1-Red/White 2-Red 3-Green 4-Red/Yellow 5-Red/Black	6 FT/1.8M	#18 (TPE)	405K0060AQ
				12 FT/3.6M	#18 (TPE)	405K0120AQ
				20 FT/6.1M	#18 (TPE)	405K0200AQ



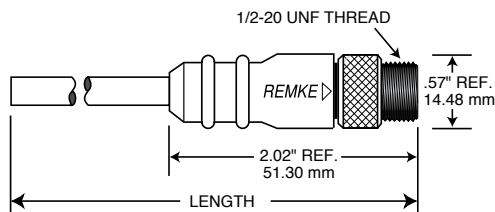


DUAL KEY SHIELDED TO COUPLER MICRO-LINK™ PLUG ASSEMBLIES

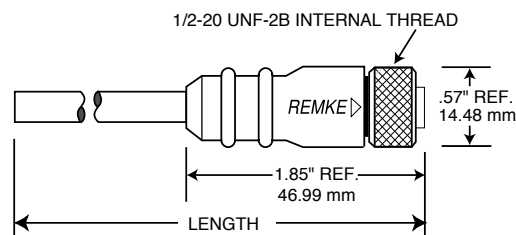
SPECIFICATIONS			
MATERIALS		ELECTRICAL	
Body	PUR	Voltage Rating	250 VAC/300 VDC
O-Ring	Nitrile Rubber	Current	#18 AWG-5A
Contact	Nickel-Plated Brass	Contact Resistance	≤5mΩ
Coupling Nut	Machined Aluminum, Black Anodized	ENVIRONMENTAL	
Cable	#22 AWG TPE 26 x #36 Stranding, 105°C	Protection	IP67
Cable Shield	Aluminum Mylar with drain wire	Operating Temp	TPE: -40°C to 105°C
Cable Diameters	#18 AWG TPE 3/C-.21", 4/C-.23", 5/C-.25"	CERTIFICATIONS	
		Pending	

MALE/FEMALE PLUGS

PLUG ASSEMBLY PART NUMBERS								
Number of Poles	Female Face View	Wiring Color Code	Length	Wire Gauge (AWG)	Female Straight Plug	Male Mating Receptacle	Male Straight Plug	Female Mating Receptacle
3		1-Green 2-Red/Black 3-Red/White	2M/6.6 FT.	#22 (TPE)	403A0066AA9	203P0010P9	403E0066AA9	203S0010P9
			4M/13.1 FT.	#22 (TPE)	403A0131AA9	203P0010P9	403E0131AA9	203S0010P9
			5M/16.4 FT.	#22 (TPE)	403A0164AA9	203P0010P9	403E0164AA9	203S0010P9
4		1-Red/Black 2-Red/White 3-Red 4-Green	2M/6.6 FT.	#22 (TPE)	404A0066AA9	204P0010P9	404E0066AA9	204S0010P9
			4M/13.1 FT.	#22 (TPE)	404A0131AA9	204P0010P9	404E0131AA9	204S0010P9
			5M/16.4 FT.	#22 (TPE)	404A0164AA9	204P0010P9	404E0164AA9	204S0010P9
5		1-Red/White 2-Red 3-Green 4-Red/Yellow 5-Red/Black	2M/6.6 FT.	#22 (TPE)	405A0066AA9	205P0010P9	405E0066AA9	205S0010P9
			4M/13.1 FT.	#22 (TPE)	405A0131AA9	205P0010P9	405E0131AA9	205S0010P9
			5M/16.4 FT.	#22 (TPE)	405A0164AA9	205P0010P9	405E0164AA9	205S0010P9



MALE STRAIGHT



FEMALE STRAIGHT

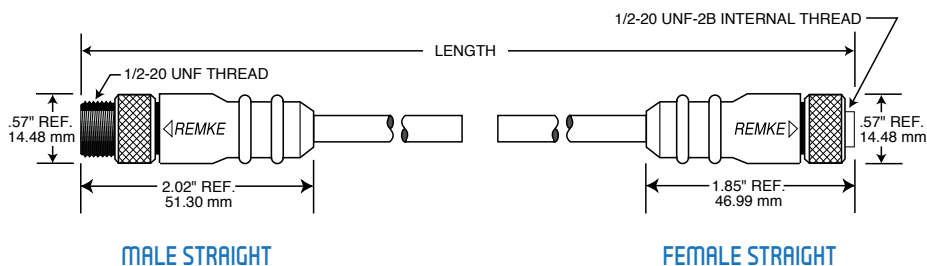


DUAL KEY SHIELDED TO COUPLER MICRO-LINK™ CABLE ASSEMBLIES

SPECIFICATIONS			
MATERIALS		ELECTRICAL	
Body	PUR	Voltage Rating	250 VAC/300 VDC
O-Ring	Nitrile Rubber	Current	#22 AWG-4A
Contact	Brass, Gold Plated over Nickel	Contact Resistance	≤5mΩ
Coupling Nut	Nickel-Plated Brass	ENVIRONMENTAL	
Cable	#22 AWG TPE 26 x #36 Stranding, 105°C	Protection	IP67
Cable Shield	Aluminum Mylar with drain wire	Operating Temp	TPE: -40°C to 105°C
Cable Diameters	#18 AWG TPE 3/C-.21", 4/C-.23", 5/C-.25	CERTIFICATIONS	
		Pending	

MALE/FEMALE PLUGS

CABLE ASSEMBLY PART NUMBERS						
Number of Poles	Male Contact Position	Female Contact Position	Wiring Color Code	Length	Wire Gauge (AWG)	Male/Female
3			1-Green 2-Red/Black 3-Red/White	6 FT/1.8M	#22 (TPE)	403K0060AA9
				12 FT/3.6M	#22 (TPE)	403K0120AA9
				20 FT/6.1M	#22 (TPE)	403K0200AA9
4			1-Red/Black 2-Red/White 3-Red 4-Green	6 FT/1.8M	#22 (TPE)	404K0060AA9
				12 FT/3.6M	#22 (TPE)	404K0120AA9
				20 FT/6.1M	#22 (TPE)	404K0200AA9
5			1-Red/White 2-Red 3-Green 4-Red/Yellow 5-Red/Black	6 FT/1.8M	#22 (TPE)	405K0060AA9
				12 FT/3.6M	#22 (TPE)	405K0120AA9
				20 FT/6.1M	#22 (TPE)	405K0200AA9



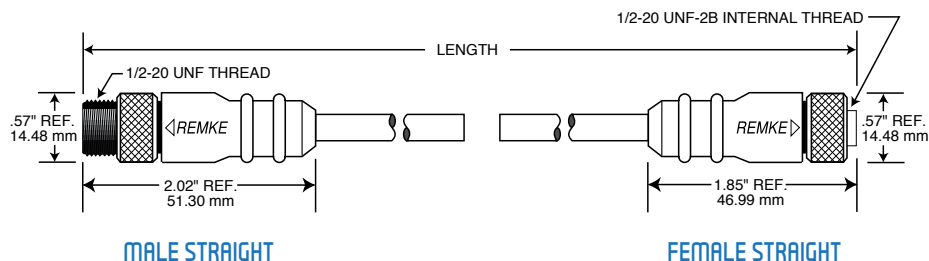


DUAL KEY RUBBER (SJ00W) MICRO-LINK™ CABLE ASSEMBLIES

SPECIFICATIONS			
MATERIALS		ENVIRONMENTAL	
Body	Rubber	Protection	IP67
O-Ring	Nitrile Rubber	Operating Temp	SJ00W: -50°C to 90°C (UL), -34°C to 90°C (CSA)
Contact	Brass, Gold Plated over Nickel	CERTIFICATIONS	
Coupling Nut	Machined Aluminum, Clear Anodized		
Cable	#18 AWG SJ00W NBR/PVC 41 x #34 Stranding, 90°C, UL Recognized, CSA Certified	 Recognized, File No. E165657	 Certified, File No. E165657
Cable Diameters	#18 AWG SJ00W 2/C-.31", 3/C-.33", 4/C-.36", 5/C-.39"		
ELECTRICAL		OPTIONS	
Voltage Rating	250 VAC/300 VDC	Stainless Steel Couplers	
Current	#18 AWG-5A	Plastic Couplers	
Contact Resistance	≤5mΩ	90 Degree Style Male or Female Bodies	

MALE/FEMALE PLUGS

CABLE ASSEMBLY PART NUMBERS						
Number of Poles	Male Contact Rotation	Female Contact Rotation	Wiring Color Code	Length	Wire Gauge (AWG)	Male/Female
2			1-Brown 2-Blue	6 FT/1.8M	#18 (SJ00W)	602K0060C
				12 FT/3.6M	#18 (SJ00W)	602K0120C
				20 FT/6.1M	#18 (SJ00W)	602K0200C
3			1-Green 2-Red/Black 3-Red/White	6 FT/1.8M	#18 (SJ00W)	603K0060C
				12 FT/3.6M	#18 (SJ00W)	603K0120C
				20 FT/6.1M	#18 (SJ00W)	603K0200C
4			1-Red/Black 2-Red/White 3-Red 4-Green	6 FT/1.8M	#18 (SJ00W)	604K0060C
				12 FT/3.6M	#18 (SJ00W)	604K0120C
				20 FT/6.1M	#18 (SJ00W)	604K0200C
5			1-Red/White 2-Red 3-Green 4-Red/Yellow 5-Red/Black	6 FT/1.8M	#18 (SJ00W)	605K0060C
				12 FT/3.6M	#18 (SJ00W)	605K0120C
				20 FT/6.1M	#18 (SJ00W)	605K0200C





DUAL KEY RUBBER (SJ00W) MICRO-LINK™ PLUG ASSEMBLIES

SPECIFICATIONS

MATERIALS

Body	Rubber
O-Ring	Nitrile Rubber
Contact	Brass, Gold Plated over Nickel
Coupling Nut	Machined Aluminum, Black Anodized
Cable	18 AWG SJ00W NBR/PVC 41 x #34 Stranding, 90°C, UL Recognized, CSA Certified
Cable Diameters	#18 AWG SJ00W, 2/C-.31", 3/C-.33", 4/C-.36", 5/C-.39"

ELECTRICAL

Voltage Rating	250 VAC/300 VDC
Current	#18 AWG-5A
Contact Resistance	≤5mΩ

ENVIRONMENTAL

Protection	IP67
Operating Temp	SJ00W: 50°C to 90°C (UL), -34°C to 90°C (CSA)

CERTIFICATIONS



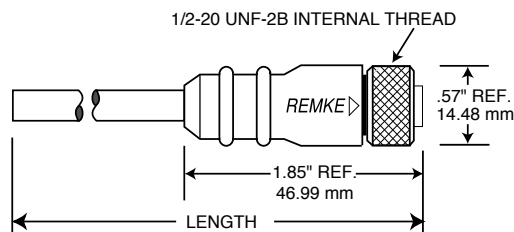
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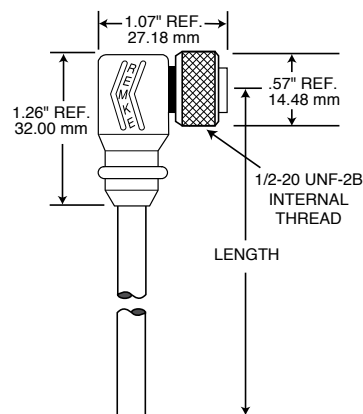
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OPTIONS

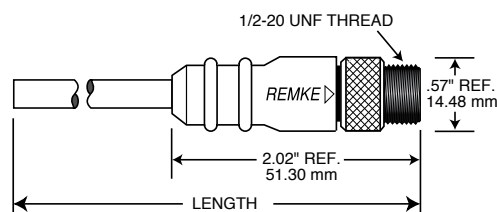
Stainless Steel Couplers
Plastic Couplers



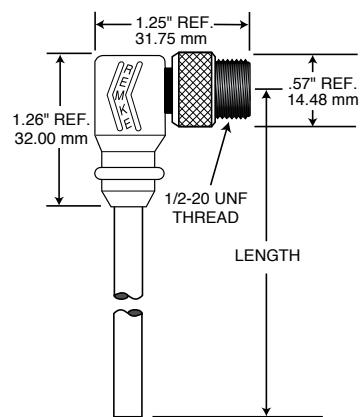
FEMALE STRAIGHT



FEMALE 90°



MALE STRAIGHT

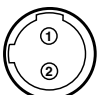
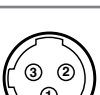


MALE 90°

FEMALE PLUGS

PLUG ASSEMBLY PART NUMBERS							
Number of Poles	Female Contact Rotation	Wiring Color Code	Length	Wire Gauge (AWG)	Straight Plug	90° Plug	Mating Male Receptacle
2		1-Brown 2-Blue	6 FT/1.8M	#18 (SJ00W)	602A0060C	602C0060C	202P0010N
			12 FT/3.6M	#18 (SJ00W)	602A0120C	602C0120C	202P0010N
			20 FT/6.1M	#18 (SJ00W)	602A0200C	602C0200C	202P0010N
3		1-Green 2-Red/Black 3-Red/White	6 FT/1.8M	#18 (SJ00W)	603A0060C	603C0060C	203P0010N
			12 FT/3.6M	#18 (SJ00W)	603A0120C	603C0120C	203P0010N
			20 FT/6.1M	#18 (SJ00W)	603A0200C	603C0200C	203P0010N
4		1-Red/Black 2-Red/White 3-Red 4-Green	6 FT/1.8M	#18 (SJ00W)	604A0060C	604C0060C	204P0010N
			12 FT/3.6M	#18 (SJ00W)	604A0120C	604C0120C	204P0010N
			20 FT/6.1M	#18 (SJ00W)	604A0200C	604C0200C	204P0010N
5		1-Red/White 2-Red 3-Green 4-Red/Yellow 5-Red/Black	6 FT/1.8M	#18 (SJ00W)	605A0060C	605C0060C	205P0010N
			12 FT/3.6M	#18 (SJ00W)	605A0120C	605C0120C	205P0010N
			20 FT/6.1M	#18 (SJ00W)	605A0200C	605C0200C	205P0010N

MALE PLUGS

PLUG ASSEMBLY PART NUMBERS							
Number of Poles	Male Contact Rotation	Wiring Color Code	Length	Wire Gauge (AWG)	Straight Plug	90° Plug	Mating Female Receptacle
2		1-Brown 2-Blue	6 FT/1.8M	#18 (SJ00W)	602E0060C	602F0060C	202S0010N
			12 FT/3.6M	#18 (SJ00W)	602E0120C	602F0120C	202S0010N
			20 FT/6.1M	#18 (SJ00W)	602E0200C	602F0200C	202S0010N
3		1-Green 2-Red/Black 3-Red/White	6 FT/1.8M	#18 (SJ00W)	603E0060C	603F0060C	203S0010N
			12 FT/3.6M	#18 (SJ00W)	603E0120C	603F0120C	203S0010N
			20 FT/6.1M	#18 (SJ00W)	603E0200C	603F0200C	203S0010N
4		1-Red/Black 2-Red/White 3-Red 4-Green	6 FT/1.8M	#18 (SJ00W)	604E0060C	604F0060C	204S0010N
			12 FT/3.6M	#18 (SJ00W)	604E0120C	604F0120C	204S0010N
			20 FT/6.1M	#18 (SJ00W)	604E0200C	604F0200C	204S0010N
5		1-Red/White 2-Red 3-Green 4-Red/Yellow 5-Red/Black	6 FT/1.8M	#18 (SJ00W)	605E0060C	605F0060C	205S0010N
			12 FT/3.6M	#18 (SJ00W)	605E0120C	605F0120C	205S0010N
			20 FT/6.1M	#18 (SJ00W)	605E0200C	605F0200C	205S0010N

CORD CONNECTORS

WIRE MESH GRIPS

PICO-LINK

MICRO-LINK

ETHERLINK

MINI-LINK

MULTI-PORT BOXES

BUS SYSTEM PRODUCTS



DUAL KEY MICRO-LINK™ RECEPTACLES

SPECIFICATIONS

MATERIALS

Lock Nut	Plated Steel (not pictured)
Contact	Brass, Gold Plated over Nickel
Shell	Machined Aluminum, Clear Anodized
O-Ring	Nitrile Rubber
Wire	#22 AWG PVC Insulated 26 x #36 Stranding, 80°C

ELECTRICAL

Voltage Rating	250 VAC/300 VDC
Current	#22 AWG-2 to 5 Pole-4A, - Pole-3A/#18 AWG 5A
Contact Resistance	≤5mΩ

ENVIRONMENTAL

Protection	IP67
Operating Temp	-20°C to 80°C

CERTIFICATIONS



Recognized,
File No. E165657



Certified,
File No. E165657

OPTIONS

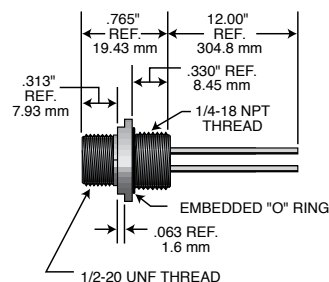
#18 AWG (PVC) Leads
Stainless Steel Shells
(Not available on back panel mount styles)

NOTES

For use w/ shielded cordsets, add suffix "9" (ex: 202P0010P9).
Knock-out dimensions in Tuff-Link Technical Reference Section.

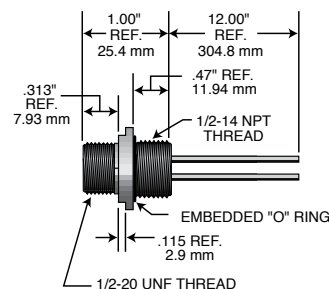
MALE

1/4" NPT (FIG. A)



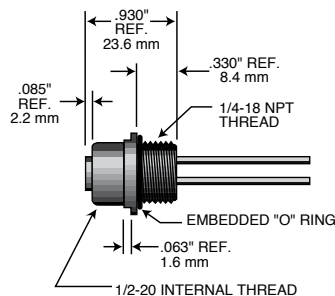
MALE

1/2" NPT (FIG. B)



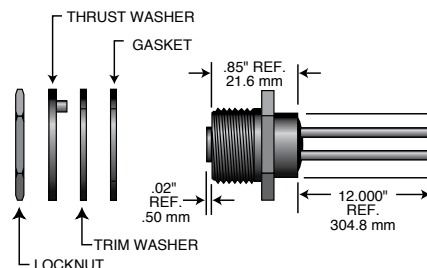
FEMALE

1/4" NPT (FIG. C)



FEMALE

BACK PANEL MOUNT (FIG. D)



MALE

RECEPTACLE PART NUMBERS					
Number of Poles	Male Contact Rotation	Wiring Color Code	Wire Gauge (AWG)	1/4" NPT (Fig. A)	1/2" NPT (Fig. B)
2		1-Brown 2-Blue	#22 (PVC)	202R0010P	202P0010P
3		1-Green 2-Red/Black 3-Red/White	#22 (PVC)	203R0010P	203P0010P
4		1-Red/Black 2-Red/White 3-Red 4-Green	#22 (PVC)	204R0010P	204P0010P
5		1-Red/White 2-Red 3-Green 4-Red/Yellow 5-Red/Black	#22 (PVC)	205R0010P	205P0010P
6		1-Red/White 2-Red 3-Green 4-Red/Yellow 5-Red/Black 6-Red/Blue	#22 (PVC)	206R0010P	206P0010P
NOTES: Add Suffix 'N' for #18 AWG and add Suffix 'P' for #22 AWG (Except for 6 Pole - no suffix 'P' available)					

FEMALE

RECEPTACLE PART NUMBERS					
Number of Poles	Female Contact Rotation	Wiring Color Code	Wire Gauge (AWG)	1/4" NPT (Fig. C)	Back Panel Mount #18 AWG (Fig. D)
2		1-Brown 2-Blue	#22 (PVC)	202S0010P	202W0010N
3		1-Green 2-Red/Black 3-Red/White	#22 (PVC)	203S0010P	203W0010N
4		1-Red/Black 2-Red/White 3-Red 4-Green	#22 (PVC)	204S0010P	204W0010N
5		1-Red/White 2-Red 3-Green 4-Red/Yellow 5-Red/Black	#22 (PVC)	205S0010P	205W0010N
6		1-Red/White 2-Red 3-Green 4-Red/Yellow 5-Red/Black 6-Red/Blue	#22 (PVC)	206S0010P	N/A

CORD CONNECTORS

WIRE MESH GRIPS

PICO-LINK

MICRO-LINK

ETHERLINK

MINI-LINK

MULTI-PORT BOXES

BUS SYSTEM
PRODUCTS



MICRO-LINK™ SPLITTERS ORDERING INFORMATION

Distributed by Gross Automation | +1 (262) 252-1600 | sales@grossautomation.com

3 04 ILS A 0010 F 1

Use this example for help when ordering.

MICRO-LINK STYLE CONNECTOR SERIES

- 2 = (AC) Dual Key
- 3 = (DC) Single Key

NUMBER OF POLES

- 03 = 3 Pole
- 04 = 4 Pole
- Note: Refers to Male End

IN-LINE SPLITTER

SPLITTER TYPE

- A = Male (In Body)
- B = Male on Cable

ASSEMBLY LENGTH (FT.)

- 1st Digit is 100 x length
- 2nd Digit is 10 x length
- 3rd Digit is 1 length
- 4th Digit is .1 x length

Ex: 0005 is 1/2 ft.
0050 is 5 ft.
0500 is 50 ft.
5000 is 500 ft.

CABLE CODE

- 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)
- T = #22 AWG PVC w/o braid (Auto CC)
- J = #22 AWG PVC w/o braid (Euro CC)

COUPLING OPTION

- 1 = Stainless Steel
- Note: Leave blank for Std. Materials



MICRO-LINK™ SPLITTERS

SPECIFICATIONS

MATERIALS

Body	PVC
O-Ring	Nitrile Rubber
Contact	Brass, Gold Plated over Nickel
Coupling Nut	Machined Aluminum, Anodized
Cable	#22 AWG PVC 26 x #36 Stranding, 105°C, UL Recognized, CSA Certified
	#18 AWG PVC 41 x #34 Stranding, 105°C, UL Recognized, CSA Certified
Cable Diameters	#22 AWG PVC w/o braid, 3/C-.18", 4/C-.19"
	#22 AWG PVC w/braid, 3/C-.23", 4/C-.25"
	#18 AWG PVC, 3/C-.29", 4/C-.29"

ELECTRICAL

Voltage Rating	250 VAC/300 VDC
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ENVIRONMENTAL

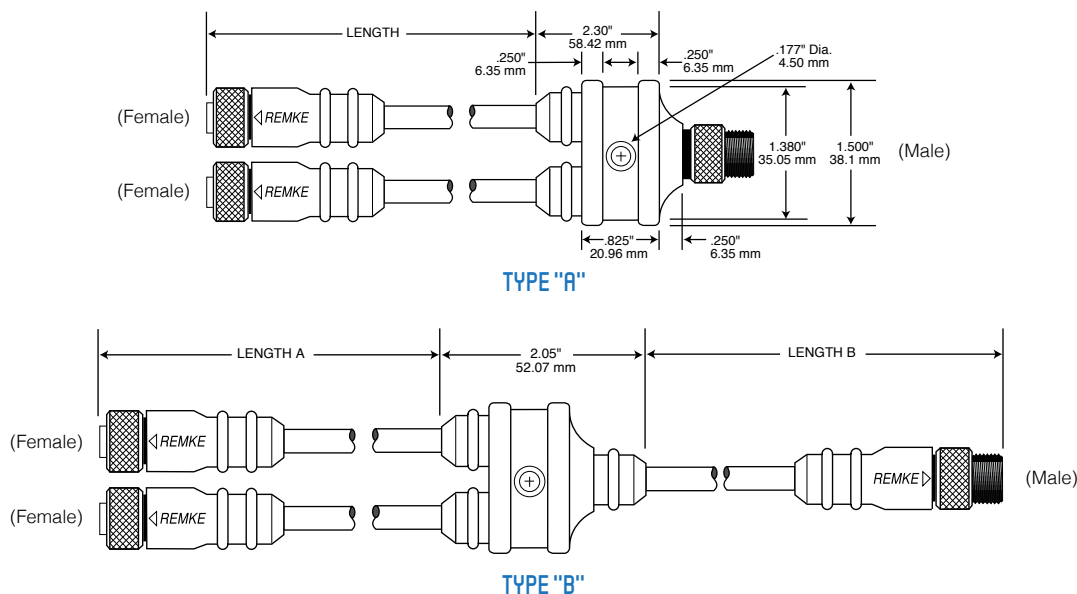
Protection	IP 67
Operating Temp	-20° C to +105° C

OPTIONS

#22 AWG PVC with & without braid (single key)
#22 AWG PVC with braid (dual key)
#18 AWG PVC (dual key)
Stainless steel couplers

SPLITTER PART NUMBERS

Number of Poles	Wire Gauge (AWG)	Type "A" Splitter	Type "B" Splitter
(4) Dual Key	#22 (PVC)	204ILSA0010T	204ILSB0010T
(4) Single Key (M12)	#18 (PVC)	304ILSA0010F	304ILSB0010F



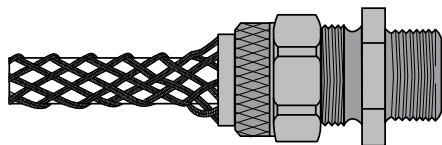


MICRO-LINK™ WIRE MANAGEMENT ACCESSORIES

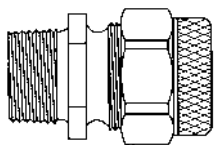
STRAIN RELIEF CORD GRIPS

Available in standard sizes (1/4" through 3"), Remke Cord Grips are produced in aluminum, nylon, steel and stainless steel to provide maximum sealing and support for cord terminations. Custom designs are available, including designs with metric threads and other special features. Inquire of your Remke Representative or Distributor.

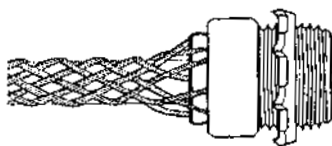
Choose from hundreds of Strain Relief and Cable Support products manufactured by Remke such as Cord Grip, Wide Range Grips and Bus Drop Grips, illustrated to the below.



CORD GRIPS

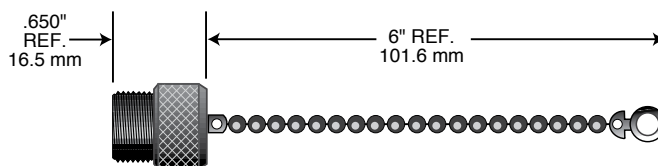


WIDE RANGE GRIPS



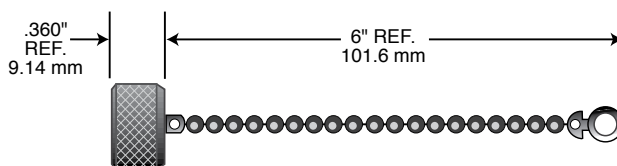
BUS DROP GRIPS

CLOSURE CAPS FOR PLUGS AND RECEPTACLES WITH INTERNAL THREADS



Single Key (M12)	Dual Key (1/2-20)
75-0025	75-0027

CLOSURE CAPS FOR PLUGS AND RECEPTACLES WITH EXTERNAL THREADS



Single Key (M12)	Dual Key (1/2-20)
75-0026	75-0028

For Stainless Steel add "SS" as suffix



M12 ATTACHABLE CONNECTORS

SPECIFICATIONS

MATERIALS

Body	Nylon
Contact	Copper Alloy, Gold Plated
Coupling Nut	Brass with Nickel Plating
Cable Outlets	PG7-4 to 6mm, PG9-6 to 8mm

ELECTRICAL

Voltage Rating	4 Pole 125VAC/150VDC, 5 Pole 30VAC/36VDC
Current	4 amps
Max. Wire Gauge	18 Gauge

ENVIRONMENTAL

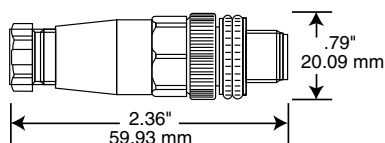
Protection	IP67
Operating Temp	-25°C to 90°C

NOTE

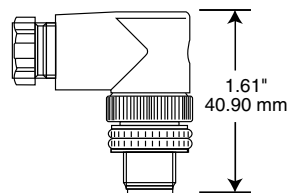
PG7 Cable Range	.16" (4mm) to .24" (6mm)
PG9 Cable Range	.24" (6mm) to .31" (8mm)

CONNECTOR PART NUMBERS

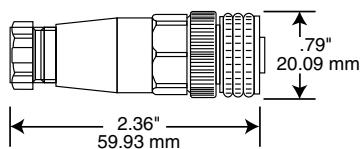
Number of Poles	Male Contact Rotation	Female Contact Rotation	Cable Entry	Male Straight	Male 90 Degree	Female Straight	Female 90 Degree
4			PG7	304EFW7	304FFW7	304AFW7	304CFW7
			PG9	304EFW9	304FFW9	304AFW9	304CFW9
5			PG7	305EFW7	305FFW7	305AFW7	305CFW7
			PG9	305EFW9	305FFW9	305AFW9	305CFW9



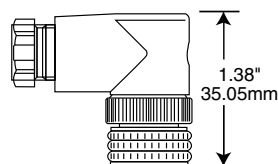
MALE STRAIGHT



MALE 90°



FEMALE STRAIGHT



FEMALE 90°



M12 ETHERLINK CONNECTORS



M12 ETHERLINK CONNECTORS RATED IP68 FOR TOUGH ENVIRONMENTS

Remke M12 Etherlink Connectors feature our industrial-strength Micro-Link molded connectors with industry-standard D-coding for Ethernet and Fieldbus use. M12 connectors are very sturdy despite their small size, and they provide a reliable connection even when subjected to shock or vibration. Etherlink connectors offer IEC 11801:2002 Cat5 compliance with TPE cable that is shielded against EMC interference. Easy-to-install TPE cable is also ideal for high flex applications in harsh environments where the highest degree of oil resistance and extended service life are essential.

COMPACT DESIGN & SECURE DATA TRANSMISSION

Rated IP68 and Remke M12 Ethernet connectors support data rates up to a Gigabit and are able to withstand the most rugged industrial environmental conditions to ensure high Ethernet or Fieldbus network availability. Quick and cost-effective to install and put into operation, these Remke M12 connectors are molded to shielded TPE cable for Cat5e data performance. 360° EMI shielding is important to all applications that depend on both high bandwidth and secure data transmission.

Features of Remke M12 Etherlink Connectors include:

- Single and double-ended options including an RJ45 cable assembly
- Available in male & female, straight and 90 degree configurations
- Temperature range from -40°C to +80°C
- Receptacles designed for conventional threaded connections to ensure reliable mating
- 100% factory tested

RJ45 connectors are the most widely used connection technology for Ethernet systems. However, for Ethernet networks that must comply with protection class IP67 or 68, the M12 connector is best suited for those applications. As both connectors offer Cat5 compliance, our double-ended cable assembly provides you with the IP68 protection of a Remke M12 Micro-Link molded connector & the compact design of the RJ45 connector for horizontal or vertical multi-port connections.

TPE cable features an abrasion-resistant jacket with 3 times the low-temperature flexibility and resists solvents, chemicals and fuels better than ordinary PVC. Applications for Remke M12 Ethernet connectors include manufacturing, process control, factory automation and more.



M12 ETHERLINK ORDERING INFORMATION

MICRO-LINK STYLE CONNECTOR SERIES

E = M12 (D-Code)
ERJ = M12 (D-Code) / RJ45

NUMBER OF POLES

04 = 4 Pole

CONNECTOR STYLE

A = Female Straight	T = Male Recpt. (M14 x 1) Thread
C = Female 90°	W = Female Recpt. (M16 x 1.5) Thread
E = Male Straight	Z = Female Recpt. (PG9) Thread
F = Male 90°	AB = Male Recpt. (PG9) Thread
K = Male/Female (Straight/Straight)*	* = Male Has External Threads
KM = Male/Male (Straight/Straight)	
M = Male/Female (90°/Straight)*	
MM = Male/Male (90°/Straight)	
NM = Male/Male (90°/90°)	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.

CABLE CODE

BA5 = # 24/4C Type Cat 5E (stranded)
Other cable options available. Consult Factory.

COUPLING OR SHELL OPTIONS

1 = Stainless Steel	N = Non-Metallic
9 = Nickel-Plated Brass	Note: Leave Blank for Std. Materials

E 04 A 0050 BA5 1

Use this example for help when ordering.



M12 ETHERLINK CONNECTORS

SPECIFICATIONS			
MATERIALS		ELECTRICAL	
O-Ring	Nitrile Rubber	Voltage Rating	125 VAC
Contact	Brass, Gold Plated Over Nickel	Current	4 A
Coupling Nut	(Non-Shielded) Machined Aluminum, Black Anodized	Contact Resistance	≥5mΩ
	(Shielded) Machined Brass, Nickel Plated	ENVIRONMENTAL	
Cable Diameters	#24 AWG TPE Stranded Without Shield, 4/C - .315" nominal	Protection	IP67
	#24 AWG TPE Stranded With Foil Shield, 4/C - .320" nominal	Operating Temp	-20°C to 75°C
	#24 AWG TPE Stranded with Foil/Braid Shield, 4/C - .335" nominal	CERTIFICATIONS	
			Recognized, File No. E165657
			Certified, File No. E165657

FEMALE PLUGS

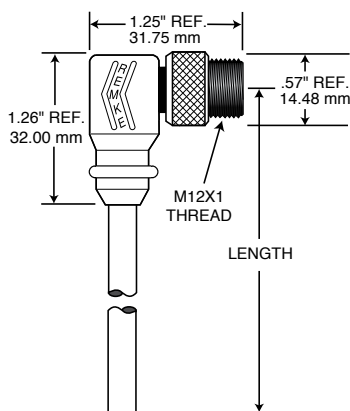
PLUG ASSEMBLY PART NUMBERS

LENGTH	Wire Gauge (AWG)	Straight Plug Non-Shielded	Straight Plug Shielded	90° Plug Non-Shielded	Mating Male Receptacle
2M/6.6 FT.	#24 TPE	E04A0066BA5	E04E0066BA5S9	E04C0066BA5	E04R0010P24
4M/13.1 FT.	#24 TPE	E04A0131BA5	E04A0131BA5S9	E04C0131BA5	E04R0010P24
5M/16.4 FT	#24 TPE	E04A0164BA5	E04A0164BA5S9	E04C0164BA5	E04R0010P24

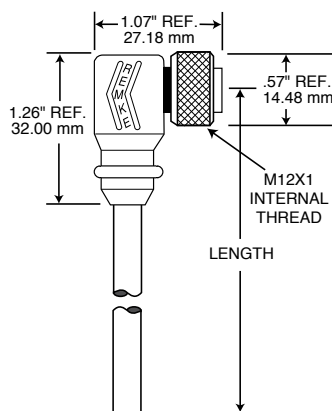
MALE PLUGS

PLUG ASSEMBLY PART NUMBERS

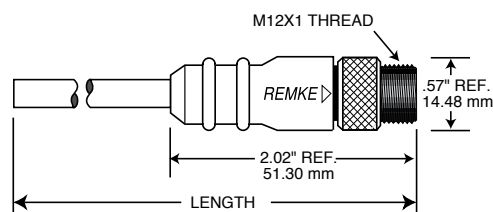
LENGTH	Wire Gauge (AWG)	Straight Plug Non-Shielded	Straight Plug Shielded	90° Plug Non-Shielded	Mating Female Receptacle
2M/6.6 FT.	#24 TPE	E04E0066BA5	E04E0066BA5S9	E04F0066BA5	E04S0010P24
4M/13.1 FT.	#24 TPE	E04E0131BA5	E04E0131BA5S9	E04F0131BA5	E04S0010P24
5M/16.4 FT	#24 TPE	E04E0164BA5	E04E0164BA5S9	E04F0164BA5	E04S0010P24



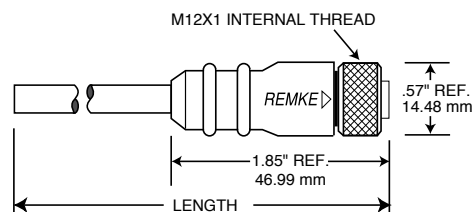
MALE 90°



FEMALE 90°



MALE STRAIGHT



FEMALE STRAIGHT

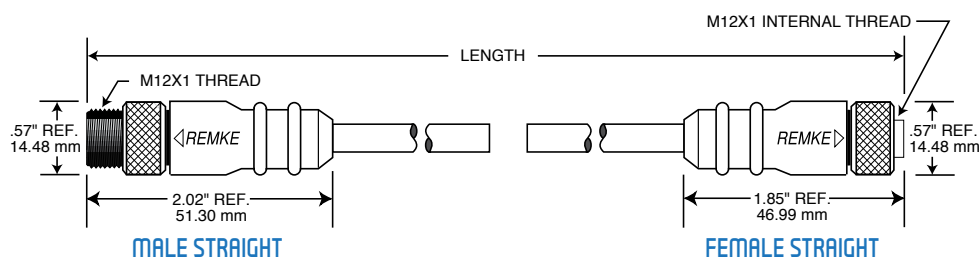


M12 ETHERLINK CONNECTORS

MALE/FEMALE CABLE ASSEMBLIES

CABLE ASSEMBLY PART NUMBERS				
Number of Poles	Length	Wire Gauge (AWG)	Male/Female Non-Shielded	Male/Female Shielded
4	2M/6.6 FT.	#24 TPE	E04K0066BA5	E04K0066BA5S9
	4M/13.1 FT.	#24 TPE	E04K0131BA5	E04K0131BA5S9
	5M/16.4 FT	#24 TPE	E04K0164BA5	E04K0164BA5S9

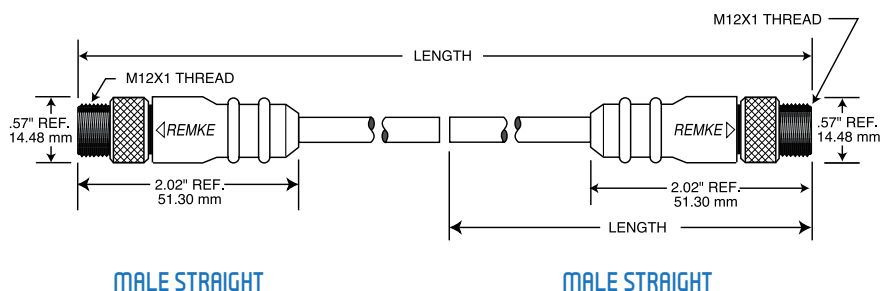
Note: For other configurations see ordering matrix



MALE/MALE CABLE ASSEMBLIES

CABLE ASSEMBLY PART NUMBERS				
Number of Poles	Length	Wire Gauge (AWG)	Male/Male Non-Shielded	Male/Male Shielded
4	2M/6.6 FT.	#24 TPE	E04KM0066BA5	E04KM0066BA5S9
	4M/13.1 FT.	#24 TPE	E04KM0131BA5	E04KM0131BA5S9
	5M/16.4 FT	#24 TPE	E04KM0164BA5	E04KM0164BA5S9

Note: For other configurations see ordering matrix

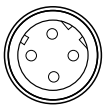


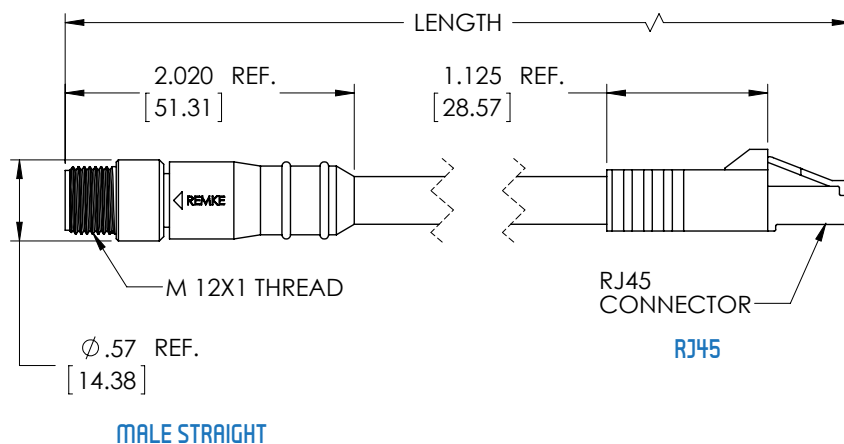


M12 ETHERLINK CONNECTORS

M12 D-CODE/RJ45 CORDSET

CORDSET PART NUMBERS

Number of Poles	Male Contact Rotation	Wiring Color Code	Length	Straight Male	90 Degree Male
4		1-White/Orange 2-White/Green 3-Orange 4-Green	2M/6.6 FT	ERJ04K0066BA5	ERJ04M0066BA5
			4M/13.1FT	ERJ04K0131BA5	ERJ04M0131BA5
			5M/16.4FT	ERJ04K0164BA5	ERJ04M0164BA5





M12 ETHERLINK CONNECTORS

SPECIFICATIONS

MATERIALS		ENVIRONMENTAL	
Body	PVC	Protection	IP67
O-Ring	Nitrile Rubber	Operating Temp	PVC: -20°C to 105°C
Contact	Brass, Gold Plated over Nickel		
Shell	Machined Aluminum, Clear Anodized	CERTIFICATIONS	
Wire	#22 AWG PVC Insulated, 80° C		Recognized, File No. E165657
ELECTRICAL			Certified, File No. E165657
Voltage Rating	125 VAC	OPTIONS	
Current	4A	#18 AWG (PVC) Cord Sets (2-5 pole)	
Contact Resistance	≤5mΩ	Stainless Steel Couplers	
		Plastic Couplers	
		90 Degree Style Male or Female Bodies	

FEMALE

RECEPTACLE PART NUMBERS

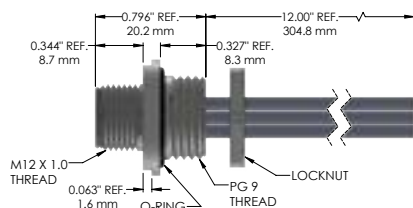
Number of Poles	Female Contact Rotation	Wiring Color Code	WIRE GAUGE (AWG)	PG 9	M16 x 1.5
4		1-White/Orange 2-White/Green 3-Orange 4-Green	#22 (PVC)	E04Z0010P	E04W0010P16

MALE

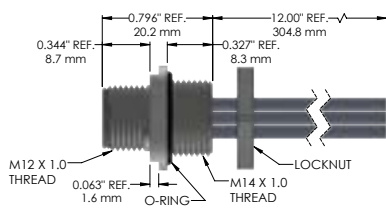
RECEPTACLE PART NUMBERS

Number of Poles	Male Contact Rotation	Wiring Color Code	WIRE GAUGE (AWG)	PG 9	M14 x 1
4		1-White/Orange 2-White/Green 3-Orange 4-Green	#22 (PVC)	E04AB0010P	E04T0010P

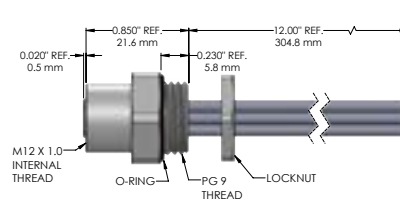
MALE
PG 9



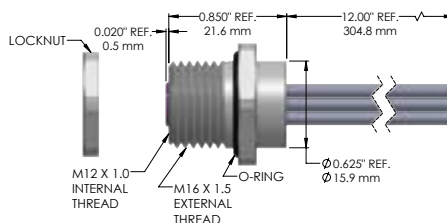
MALE
M14 X 1



FEMALE
PG 9



FEMALE
MX16 X 1.5





MINI-LINK™ PRODUCT FAMILY



MINI-LINK™ MOLDED CONNECTORS & CORDSETS

The Remke family of Mini-Link Molded Connectors & Cordsets are ideally suited for applications where flexibility and resistance to stress, abuse or harsh environments is important. Molded connectors & cordsets are available in:

- PVC (plastic) for general industrial applications
- Rubber for use in applications where flexibility & resistance to abusive environments thru a broad temperature range is important
- Hi-Temp Silicone for applications with extreme temperature changes or flexibility & severe environments where absolute reliability is required
- TPE (available upon request) for environments with chemicals and corrosives

Mini-Link connectors are available in 2-12 pole configurations, straight and 90 degree, male & female with these features:

- IP 67 protection
- Nickel coated then gold-plated contacts for enhanced corrosion resistance & conductivity
- Pins & contacts crimped onto wires assuring secure terminations
- Precision machined contacts for highly accurate tolerances
- Connectors that meet or exceed UL, CSA, NEMA,
- SAE, IEC and automotive specifications
- Hard Service S00W, SJ00W or STOW cable configurations
- Integral strain relief and plated coupling nuts

Attachable Mini-Link Connectors provide essential flexibility for wiring in the field. In applications where it is difficult to design or plan wiring due to changing conditions, using Mini-Link cables with attachable molded connectors that can be wired on site is the answer.

TYPICAL APPLICATIONS USING MINI-LINK CONNECTORS

Sensors on conveyors
Automated assembly equipment
Packaging equipment
Robotics equipment
Bus systems
Transportation equipment

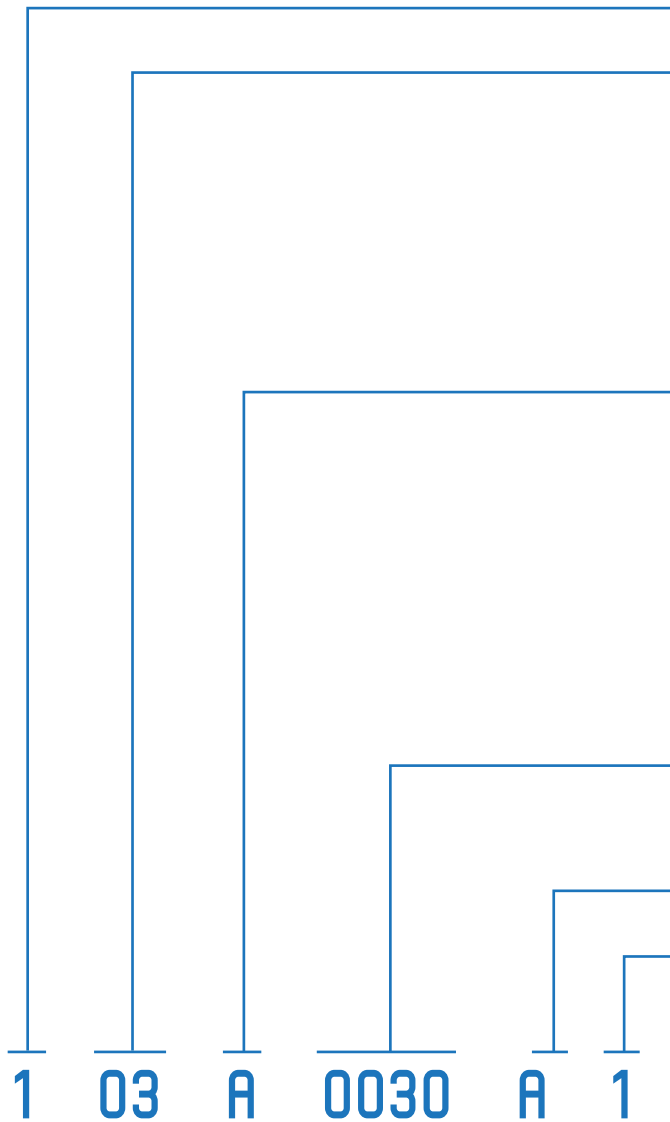
PRODUCTS THAT TYPICALLY USE MINI-LINK CONNECTORS

12 and 18mm proximity sensors
Limit switches
Photoelectric switches
Solenoids & Hydraulic valves
Foot operated switches
Power tools
Cranes, hoists and their controls



MINI-LINK™ PRODUCT ORDERING INFORMATION

Distributed by Gross Automation | +1 (262) 252-1600 | sales@grossautomation.com



Use this example for help when ordering.

NOTES

For custom configuration, please contact the factory for pricing and delivery information.

Other connector styles and cable codes available. Consult factory.

1=MINI-LINK

NUMBER OF POLES

02 = 2 Pole	07 = 7 Pole
03 = 3 Pole	08 = 8 Pole
04 = 4 Pole	09 = 9 Pole
05 = 5 Pole	10 = 10 Pole
06A = 6 Pole (A-Size)	12 = 12 Pole
06B = 6 Pole (B-Size)	Note: 6 pole (B-Size) through 12 pole in rubber only

CONNECTOR STYLE

A = Female Straight	J = M/F Ext. (90°/90°)
B = Male Straight	K = M/F Ext.(Straight/Straight) Note: External Threaded Male
C = Female 90 Degree	L = M/F Ext. (Straight/90°) Note: External Threaded Male
D = Male 90 Degree Note: PVC & TPE Cordsets only	M = M/F Ext.(90°/Straight) Note: External Threaded Male
E = Male Straight Note: External Threaded Male	N = M/F Ext. (90°/90°) Note: External Threaded Male
F = Male 90 Degree Note: External Threaded Male	O = Female/Female
G = M/F Ext.(Straight/Straight)	P = Male Receptacle
H = M/F Ext. (Straight/90°)	Q = Female Receptacle
I = M/F Ext.(90°/Straight)	AD = Female Receptacle (Internal Thread 2 to 5 Pole only)
	Note: Other connector styles available. Consult factory.

ASSEMBLY LENGTH (FT.)

1st Digit is 100 x length	Ex: 0005 is 1/2 ft. 0050 is 5 ft. 0500 is 50 ft. 5000 is 500 ft.
2nd Digit is 10 x length	
3rd Digit is 1 x length	
4th Digit is .1 x length	

CABLE CODE

A = #16 AWG SOOW-Rubber	AP = #16 AWG STOW-Plastic Note: 2 through 5 pole only
C = #18 AWG SJOOW-Rubber Note: 2 through 5 pole only	AP-TC = #16 AWG PVC Tray Cable
M = #16/1C XLPE (Receptacles Only)	AQ = 18 AWG TPE-Plastic
N = #18/1C PVC (Receptacles Only)	AT = #16 AWG TPE
AHT = #16 AWG Silicone Rubber Note: 2 through 5 pole only	AT-TC = #16AWG TPE Tray Cable
	Note: Other connector styles available. Consult factory.

COUPLING OR SHELL OPTION

1 = Stainless Steel Note: Leave blank for Std. Materials (Aluminum)	N = Non-metallic Note: 2 to 5 Pole only. Stainless N/A on 90° Receptacle.
--	---

CORD CONNECTORS

WIRE MESH GRIPS

PICO-LINK

MICRO-LINK

ETHERLINK

MINI-LINK

MULTI-PORT BOXES

BUS SYSTEM PRODUCTS



2 TO 6 POLE PVC MINI-LINK™ PLUG ASSEMBLIES

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SPECIFICATIONS

MATERIALS

Body	PVC
Contact Sleeve	Stainless Steel
Contact	Brass, Gold Plated over Nickel
Coupling Nut	Machined Aluminum, Black Anodized
Cable	#16 AWG Type STOW, 65 x #34 stranding 105° C
Cable Diameters	2/C-.37", 3/C-.39", 4/C-.42", 5/C-.50", 6/C-.53"

ELECTRICAL

Voltage Rating	600 V
Contact Resistance	≤5mΩ

ENVIRONMENTAL

Protection	IP 67
Operating Temp	-20°C to 105°C

CERTIFICATIONS



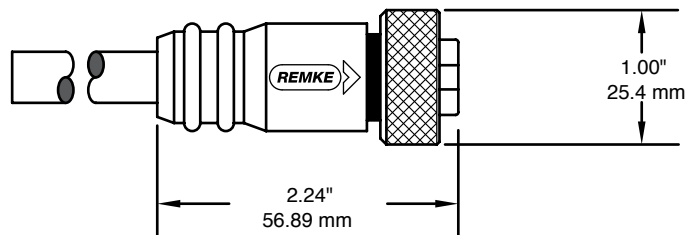
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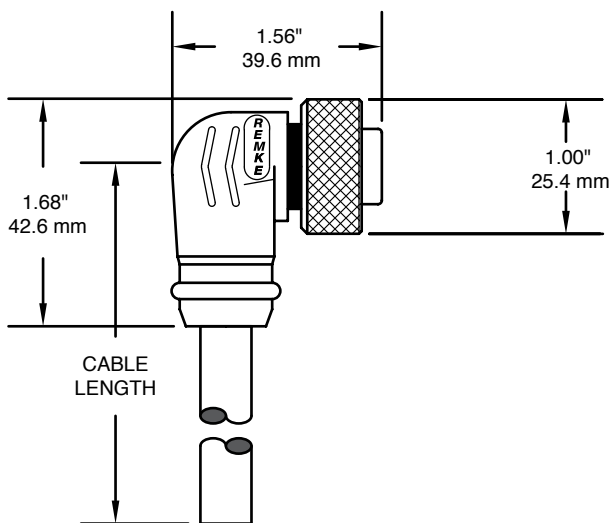
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OPTIONS

#16 AWG TPE Cable
#18 AWG (PVC) Plug Assemblies
Stainless Steel Couplers
Plastic Couplers

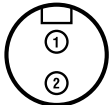
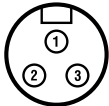
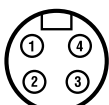


STRAIGHT PLUG

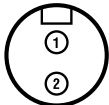
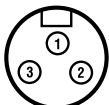


90° PLUG

MALE

PLUG ASSEMBLY PART NUMBERS						
Number of Poles	Male Face View	Wiring Color Code	AMP RTG. @ 600V	Cable Length	Straight	90°
2		1-White 2-Black	13A	3 FT	102B0030AP	102D0030AP
			13A	6 FT	102B0060AP	102D0060AP
			13A	12 FT	102B0120AP	102D0120AP
			13A	20 FT	102B0200AP	102D0200AP
3		1-Green 2-Black 3-White	13A	3 FT	103B0030AP	103D0030AP
			13A	6 FT	103B0060AP	103D0060AP
			13A	12 FT	103B0120AP	103D0120AP
			13A	20 FT	103B0200AP	103D0200AP
4		1-Black 2-White 3-Red 4-Green	10A	3 FT	104B0030AP	104D0030AP
			10A	6 FT	104B0060AP	104D0060AP
			10A	12 FT	104B0120AP	104D0120AP
			10A	20 FT	104B0200AP	104D0200AP
5		1-White 2-Red 3-Green 4-Orange 5-Black	8A	3 FT	105B0030AP	105D0030AP
			8A	6 FT	105B0060AP	105D0060AP
			8A	12 FT	105B0120AP	105D0120AP
			8A	20 FT	105B0200AP	105D0200AP
6		1-White 2-Red 3-Green 4-Orange 5-Black 6-Blue	8A	3 FT	106AB0030AP	106AD0030AP
			8A	6 FT	106AB0060AP	106AD0060AP
			8A	12 FT	106AB0120AP	106AD0120AP
			8A	20 FT	106AB0200AP	106AD0200AP

FEMALE

PLUG ASSEMBLY PART NUMBERS						
Number of Poles	Female Face View	Wiring Color Code	AMP RTG. @ 600V	Cable Length	Straight	90°
2		1-White 2-Black	13A	3 FT	102A0030AP	102C0030AP
			13A	6 FT	102A0060AP	102C0060AP
			13A	12 FT	102A0120AP	102C0120AP
			13A	20 FT	102A0200AP	102C0200AP
3		1-Green 2-Black 3-White	13A	3 FT	103A0030AP	103C0030AP
			13A	6 FT	103A0060AP	103C0060AP
			13A	12 FT	103A0120AP	103C0120AP
			13A	20 FT	103A0200AP	103C0200AP
4		1-Black 2-White 3-Red 4-Green	10A	3 FT	104A0030AP	104C0030AP
			10A	6 FT	104A0060AP	104C0060AP
			10A	12 FT	104A0120AP	104C0120AP
			10A	20 FT	104A0200AP	104C0200AP
5		1-White 2-Red 3-Green 4-Orange 5-Black	8A	3 FT	105A0030AP	105C0030AP
			8A	6 FT	105A0060AP	105C0060AP
			8A	12 FT	105A0120AP	105C0120AP
			8A	20 FT	105A0200AP	105C0200AP
6		1-White 2-Red 3-Green 4-Orange 5-Black 6-Blue	8A	3 FT	106AA0030AP	106AC0030AP
			8A	6 FT	106AA0060AP	106AC0060AP
			8A	12 FT	106AA0120AP	106AC0120AP
			8A	20 FT	106AA0200AP	106AC0200AP

CORD CONNECTORS

WIRE MESH GRIPS

PICO-LINK

MICRO-LINK

ETHERLINK

MINI-LINK

MULTI-PORT BOXES

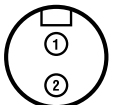
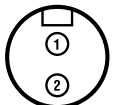
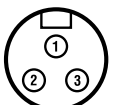
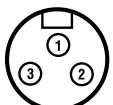
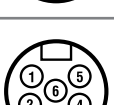
BUS SYSTEM
PRODUCTS

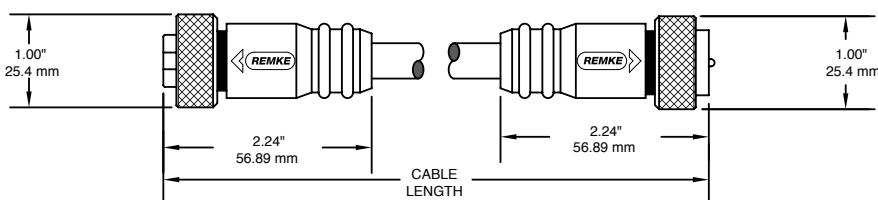


2 TO 6 POLE PVC MINI-LINK™ CABLE ASSEMBLIES

SPECIFICATIONS			
MATERIALS		ENVIRONMENTAL	
Body	PVC	Protection	IP 67
Contact Sleeve	Stainless Steel	Operating Temp	-20°C to 105°C
Contact	Brass, Gold Plated over Nickel	CERTIFICATIONS	
Coupling Nut	Machined Aluminum, Black Anodized		Recognized, File No. E165657
Cable	#16 AWG Type STOW, 65 x #34 stranding, 105° C		Certified, File No. E165657
Cable Diameters	2/C-.37", 3/C-.39", 4/C-.42", 5/C-.50", 6/C-.53"	OPTIONS	
ELECTRICAL		#16 AWG TPE Cable	
Voltage Rating	600 V	#18 AWG (PVC) Plug Assemblies (300 V)	
Contact Resistance	≤5mΩ	Stainless Steel Couplers	
		Plastic Couplers	

DOUBLE END CABLE ASSEMBLIES

CABLE ASSEMBLY PART NUMBERS						
Number of Poles	Male Face View	Female Face View	Wiring Color Code	AMP RTG. @ 600V	Cable Length	Male/Female Assembly
2			1-White 2-Black	13A	3 FT	102G0030AP
				13A	6 FT	102G0060AP
				13A	12 FT	102G0120AP
				13A	20 FT	102G0200AP
3			1-Green 2-Black 3-White	13A	3 FT	103G0030AP
				13A	6 FT	103G0060AP
				13A	12 FT	103G0120AP
				13A	20 FT	103G0200AP
4			1-Black 2-White 3-Red 4-Green	10A	3 FT	104G0030AP
				10A	6 FT	104G0060AP
				10A	12 FT	104G0120AP
				10A	20 FT	104G0200AP
5			1-White 2-Red 3-Green 4-Orange 5-Black	8A	3 FT	105G0030AP
				8A	6 FT	105G0060AP
				8A	12 FT	105G0120AP
				8A	20 FT	105G0200AP
6			1-White 2-Red 3-Green 4-Orange 5-Black 6-Blue	8A	3 FT	106AG0030AP
				8A	6 FT	106AG0060AP
				8A	12 FT	106AG0120AP
				8A	20 FT	106AG0200AP



MALE/FEMALE CORDSET

CORD CONNECTORS

WIRE MESH GRIPS

PICO-LINK

MICRO-LINK

ETHERLINK

MINI-LINK

MULTI-PORT BOXES

BUS SYSTEM
PRODUCTS



6 TO 8 POLE PVC MINI-LINK™ PLUG ASSEMBLIES

SPECIFICATIONS

MATERIALS

Body	PVC
Contact Sleeve	Stainless Steel
Contact	Brass, Gold Plated over Nickel
Coupling Nut	Machined Aluminum, Black Anodized
Cable	#16 AWG Type STOW, 65 x #34 stranding 105° C
Cable Diameters	6/C-.53", 7/C-.54", 8/C-.58"

ELECTRICAL

Voltage Rating	600 V
Contact Resistance	≤5mΩ

ENVIRONMENTAL

Protection	IP 67
Operating Temp	-20°C to 105°C

CERTIFICATIONS



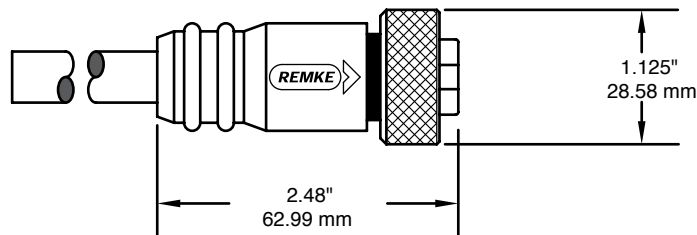
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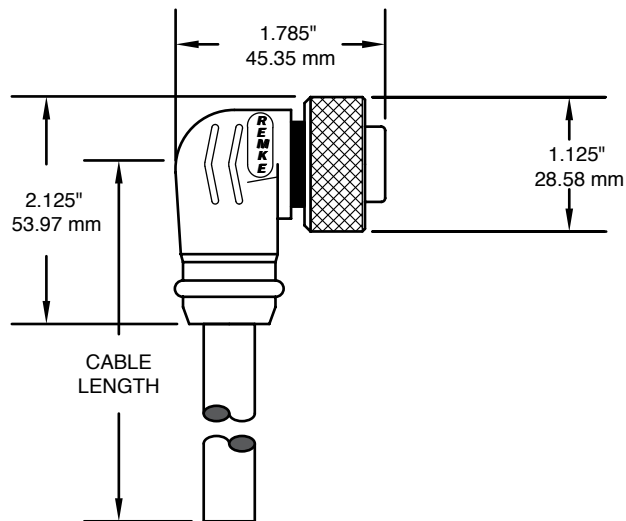
Certified,
File No. E165657

OPTIONS

#16 AWG TPE Cable
Stainless Steel Couplers
Plastic Couplers



STRAIGHT PLUG



90° PLUG

MALE

PLUG ASSEMBLY PART NUMBERS						
Number of Poles	Male Face View	Wiring Color Code	AMP RTG. @ 600V	Cable Length	Straight	90°
6		1-Orange 2-Blue 3-Black 4-White 5-Red 6-Green	8A	3 FT	106BB0030AP	106BD0030AP
			8A	6 FT	106BB0060AP	106BD0060AP
			8A	12 FT	106BB0120AP	106BD0120AP
			8A	20 FT	106BB0200AP	106BD0200AP
7		1-Wht.blk. Tr. 2-Black 3-White 4-Red 5-Orange 6-Blue 7-Green	8A	3 FT	107B0030AP	107D0030AP
			8A	6 FT	107B0060AP	107D0060AP
			8A	12 FT	107B0120AP	107D0120AP
			8A	20 FT	107B0200AP	107D0200AP
8		1-Orange 2-Blue 3-Wht.blk. Tr. 4-Black 5-White 6-Red 7-Green 8-Red-Blk. Tr.	7A	3 FT	108B0030AP	108D0030AP
			7A	6 FT	108B0060AP	108D0060AP
			7A	12 FT	108B0120AP	108D0120AP
			7A	20 FT	108B0200AP	108D0200AP

FEMALE

PLUG ASSEMBLY PART NUMBERS						
Number of Poles	Female Face View	Wiring Color Code	AMP RTG. @ 600V	Cable Length	Straight	90°
6		1-Orange 2-Blue 3-Black 4-White 5-Red 6-Green	8A	3 FT	106BA0030AP	106BC0030AP
			8A	6 FT	106BA0060AP	106BC0060AP
			8A	12 FT	106BA0120AP	106BC0120AP
			8A	20 FT	106BA0200AP	106BC0200AP
7		1-Wht.blk. Tr. 2-Black 3-White 4-Red 5-Orange 6-Blue 7-Green	8A	3 FT	107A0030AP	107C0030AP
			8A	6 FT	107A0060AP	107C0060AP
			8A	12 FT	107A0120AP	107C0120AP
			8A	20 FT	107A0200AP	107C0200AP
8		1-Orange 2-Blue 3-Wht.blk. Tr. 4-Black 5-White 6-Red 7-Green 8-Red-Blk. Tr.	7A	3 FT	108A0030AP	108C0030AP
			7A	6 FT	108A0060AP	108C0060AP
			7A	12 FT	108A0120AP	108C0120AP
			7A	20 FT	108A0200AP	108C0200AP

CORD CONNECTORS

WIRE MESH GRIPS

PICO-LINK

MICRO-LINK

ETHERLINK

MINI-LINK

MULTI-PORT BOXES

BUS SYSTEM PRODUCTS

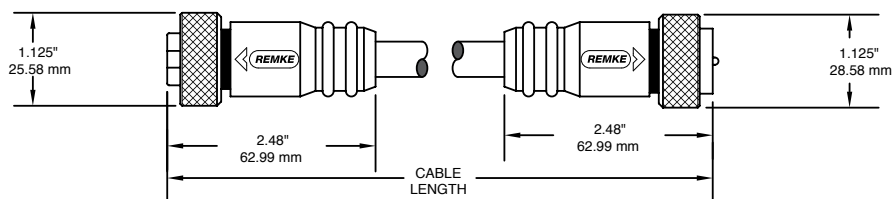


6 TO 8 POLE PVC MINI-LINK™ CABLE ASSEMBLIES

SPECIFICATIONS			
MATERIALS		ENVIRONMENTAL	
Body	PVC	Protection	IP 67
Contact Sleeve	Stainless Steel	Operating Temp	-20°C to 105°C
Contact	Brass, Gold Plated over Nickel	CERTIFICATIONS	
Coupling Nut	Machined Aluminum, Black Anodized		Recognized, File No. E165657
Cable	#16 AWG Type STOW, 65 x #34 stranding, 105° C		Certified, File No. E165657
Cable Diameters	6/C-.53", 7/C-.55", 8/C-.58"	OPTIONS	
ELECTRICAL		#16 AWG TPE Cable	
Voltage Rating	600 V	Stainless Steel Couplers	
Contact Resistance	≤5mΩ	Plastic Couplers	

DOUBLE END CABLE ASSEMBLIES

CABLE ASSEMBLY PART NUMBERS						
Number of Poles	Male Face View	Female Face View	Wiring Color Code	AMP RTG. @ 600V	Cable Length	Male/Female Assembly
6			1-Orange 2-Blue 3-Black 4-White 5-Red 6-Green	8A	3 FT	106GB0030AP
				8A	6 FT	106GB0060AP
				8A	12 FT	106GB0120AP
				8A	20 FT	106GB0200AP
7			1-Wht.blk. Tr. 2-Black 3-White 4-Red 5-Orange 6-Blue 7-Green	8A	3 FT	107G0030AP
				8A	6 FT	107G0060AP
				8A	12 FT	107G0120AP
				8A	20 FT	107G0200AP
8			1-Orange 2-Blue 3-Wht.blk. Tr. 4-Black 5-White 6-Red 7-Green 8-Red-Blk. Tr.	7A	3 FT	108G0030AP
				7A	6 FT	108G0060AP
				7A	12 FT	108G0120AP
				7A	20 FT	108G0200AP



MALE/FEMALE CORDSET

CORD CONNECTORS

WIRE MESH GRIPS

PICO-LINK

MICRO-LINK

ETHERLINK

MINI-LINK

MULTI-PORT BOXES

BUS SYSTEM
PRODUCTS



9 TO 12 POLE PVC MINI-LINK™ PLUG ASSEMBLIES

Distributed by Gross Automation | +1 (262) 252-1600 | sales@grossautomation.com

SPECIFICATIONS

MATERIALS

Body	PVC
Contact Sleeve	Stainless Steel
Contact	Brass, Gold Plated over Nickel
Coupling Nut	Machined Aluminum, Black Anodized
Cable	#16 AWG Type STOW, 65 x #34 stranding 105° C
Cable Diameters	9/C-.62", 10/C-.66", 12/C-.68"

ELECTRICAL

Voltage Rating	600 V
Contact Resistance	≤5mΩ

ENVIRONMENTAL

Protection	IP 67
Operating Temp	-20°C to 105°C

CERTIFICATIONS



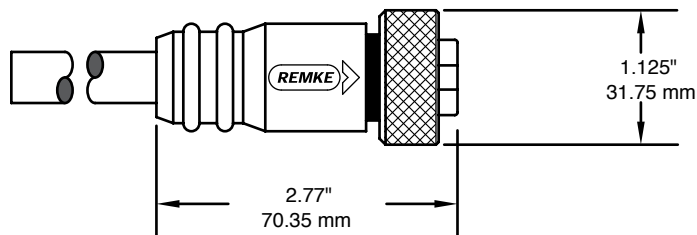
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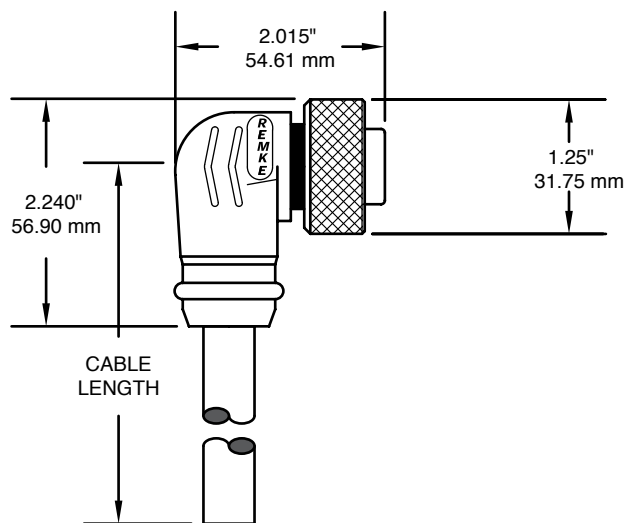
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OPTIONS

#16 AWG TPE Cable
Stainless Steel Couplers
Plastic Couplers



STRAIGHT PLUG



90° PLUG

MALE

PLUG ASSEMBLY PART NUMBERS							
Number of Poles	Male Face View	Wiring Color Code		AMP RTG. @ 600V	Cable Length	Straight	90°
9		1-Orange 2-Blue 3-Red-Blk. Tr. 4-Green-Blk. Tr. 5-White	6-Red 7-Green 8-White-Blk. Tr. 9-Black	7A	3 FT	109B0030AP	109D0030AP
				7A	6 FT	109B0060AP	109D0060AP
				7A	12 FT	109B0120AP	109D0120AP
				7A	20 FT	109B0200AP	109D0200AP
10		1-Orange 2-Blue 3-White-Blk. Tr. 4-Red-Blk. Tr. 5-Green-Blk. Tr.	6-Orig.-Blk. Tr. 7-Red 8-Green 9-Black 10-White	7A	3 FT	110B0030AP	110D0030AP
				7A	6 FT	110B0060AP	110D0060AP
				7A	12 FT	110B0120AP	110D0120AP
				7A	20 FT	110B0200AP	110D0200AP
12		1-Orange 2-Blue 3-Wht. Blk. Tr. 4-Red-Blk. Tr. 5-Green-Blk. Tr. 6-Orig.-Blk. Tr.	7-Blue.-Blk. Tr. 8-Blk.-Wht. Tr. 9-Green 10-Red 11-White 12-Black	5A	3 FT	112B0030AP	112D0030AP
				5A	6 FT	112B0060AP	112D0060AP
				5A	12 FT	112B0120AP	112D0120AP
				5A	20 FT	112B0200AP	112D0200AP

FEMALE

PLUG ASSEMBLY PART NUMBERS							
Number of Poles	Female Face View	Wiring Color Code		AMP RTG. @ 600V	Cable Length	Straight	90°
9		1-Orange 2-Blue 3-Red-Blk. Tr. 4-Green-Blk. Tr. 5-White	6-Red 7-Green 8-White-Blk. Tr. 9-Black	7A	3 FT	109A0030AP	109C0030AP
				7A	6 FT	109A0060AP	109C0060AP
				7A	12 FT	109A0120AP	109C0120AP
				7A	20 FT	109A0200AP	109C0200AP
10		1-Orange 2-Blue 3-White-Blk. Tr. 4-Red-Blk. Tr. 5-Green-Blk. Tr.	6-Orig.-Blk. Tr. 7-Red 8-Green 9-Black 10-White	7A	3 FT	110A0030AP	110C0030AP
				7A	6 FT	110A0060AP	110C0060AP
				7A	12 FT	110A0120AP	110C0120AP
				7A	20 FT	110A0200AP	110C0200AP
12		1-Orange 2-Blue 3-Wht. blk. Tr. 4-Red-Blk. Tr. 5-Green-Blk. Tr. 6-Orig.-Blk. Tr.	7-Blue.-Blk. Tr. 8-Blk.-Wht. Tr. 9-Green 10-Red 11-White 12-Black	5A	3 FT	112A0030AP	112C0030AP
				5A	6 FT	112A0060AP	112C0060AP
				5A	12 FT	112A0120AP	112C0120AP
				5A	20 FT	112A0200AP	112C0200AP

CORD CONNECTORS

WIRE MESH GRIPS

PICO-LINK

MICRO-LINK

ETHERLINK

MINI-LINK

MULTI-PORT BOXES

BUS SYSTEM PRODUCTS

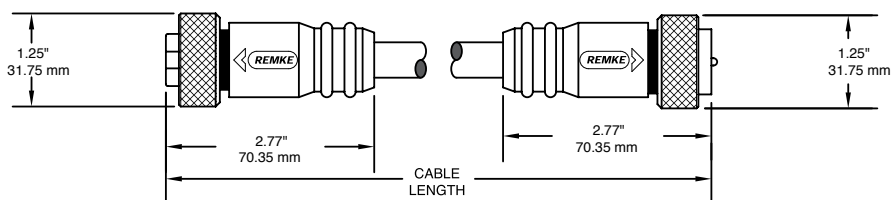


9 TO 12 POLE PVC MINI-LINK™ CABLE ASSEMBLIES

SPECIFICATIONS			
MATERIALS		ENVIRONMENTAL	
Body	PVC	Protection	IP 67
Contact Sleeve	Stainless Steel	Operating Temp	-20°C to 105°C
Contact	Brass, Gold Plated over Nickel	CERTIFICATIONS	
Coupling Nut	Machined Aluminum, Black Anodized		Recognized, File No. E165657
Cable	#16 AWG Type STOW, 65 x #34 stranding, 105° C		Certified, File No. E165657
Cable Diameters	9/C-.64", 10/C-.66", 12/C-.68"	OPTIONS	
ELECTRICAL		#18 AWG (PVC) Plug Assemblies	
Voltage Rating	600 VAC	Stainless Steel Couplers	
Contact Resistance	≤5mΩ	Plastic Couplers	

DOUBLE END CABLE ASSEMBLIES

CABLE ASSEMBLY PART NUMBERS						
Number of Poles	Male Face View	Female Face View	Wiring Color Code	AMP RTG. @ 600V	Cable Length	Male/Female Assembly
9			1-Orange 2-Blue 3-Red-Blk. Tr. 4-Green-Blk. Tr. 5-White 6-Red 7-Green 8-White-Blk. Tr. 9-Black	7A	3 FT	109G0030AP
				7A	6 FT	109G0060AP
				7A	12 FT	109G0120AP
				7A	20 FT	109G0200AP
10			1-Orange 2-Blue 3-White-Blk. Tr. 4-Red-Blk. Tr. 5-Green-Blk. Tr. 6-Org.-Blk. Tr. 7-Red 8-Green 9-Black 10-White	7A	3 FT	110G0030AP
				7A	6 FT	110G0060AP
				7A	12 FT	110G0120AP
				7A	20 FT	110G0200AP
12			1-Orange 2-Blue 3-Wht.blk. Tr. 4-Red-Blk. Tr. 5-Green-Blk. Tr. 6-Org.-Blk. Tr. 7-Blue.-Blk. Tr. 8-Blk.-Wht. Tr. 9-Green 10-Red 11-White 12-Black	5A	3 FT	112G0030AP
				5A	6 FT	112G0060AP
				5A	12 FT	112G0120AP
				5A	20 FT	112G0200AP



MALE/FEMALE CORDSET



MINI-LINK™ PVC TEE CONNECTORS

SPECIFICATIONS

MATERIALS

Body	PVC
Contact	Copper Alloy, Gold Plated
Coupling Nut	Aluminum, Clear Anodized

ELECTRICAL

Voltage Rating	300 V
Ampacity	8 AMPS

ENVIRONMENTAL

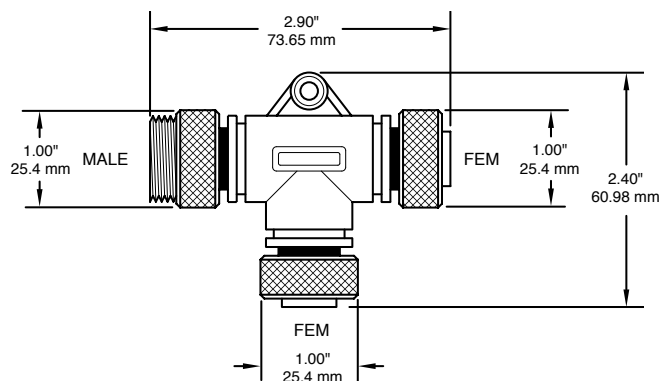
Protection	IP67
Operating Temp	-20°C to 105°C

CERTIFICATIONS

Pending

TEE CONNECTORS

TEE CONNECTOR PART NUMBERS					
Number of Poles	Male Face View	Female Face View	Configuration	Wiring Diagram	Male/Female TEE
3			1-Male 2-Female		TM/MFF3
4			1-Male 2-Female		TM/MFF4
5			1-Male 2-Female		TM/MFF5



CORD CONNECTORS

WIRE MESH GRIPS

PICO-LINK

MICRO-LINK

ETHERLINK

MINI-LINK

MULTI-PORT BOXES

BUS SYSTEM
PRODUCTS



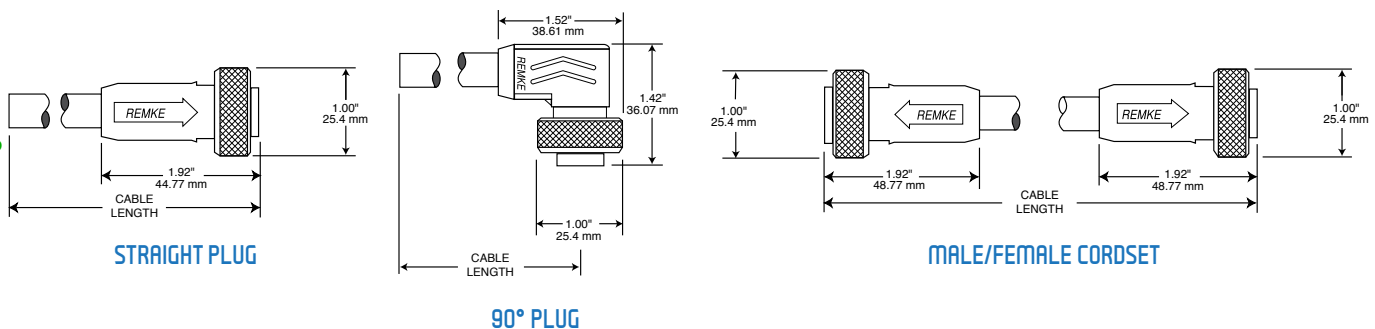
2 TO 6 POLE RUBBER MINI-LINK™ ASSEMBLIES

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SPECIFICATIONS			
MATERIALS		ENVIRONMENTAL	
Body	Rubber	Protection	IP 67
Contact	Brass, Gold Plated over Nickel	Operating Temp	-20°C to 90°C
Sleeve	Stainless Steel		
Coupling Nut	Machined Aluminum, Black Anodized (Stainless Steel available)	CERTIFICATIONS	
			Recognized, File No. E165657
Cable	#16 AWG NBR/PVC Rubber 65 x #34 stranding 90° C, UL Recognized SOOW, CSA Certified		Certified, File No. E165657
		OPTIONS	
Cable Diameters	2/C-.37", 3/C-.39", 4/C-.42", 5/C-.50", 6/C-.53"	Stainless Steel Hardware can be specified - add "1" after Part Number; to specify 18 AWG Cable, add "-18" after the Part Number. For Nylon hardware - add "N" after Part Number.	
ELECTRICAL			
Voltage Rating	600 V	Consult the factory for custom cord lengths, and a full range of wire management product accessories.	
Contact Resistance	≤5mΩ		

PLUGS AND CABLE ASSEMBLIES WITH #16 AWG SOOW-A CABLE

PLUG ASSEMBLY PART NUMBERS									
Number of Poles	Male Face View	Female Face View	Wiring Color Code	AMP RTG. @ 600V	Cable Length	Male Straight	Female Straight	Female 90°	Male/Female Assembly
2			1-White 2-Black	13A	3 FT	102B0030A	102A0030A	102C0030A	102G0030A
				13A	6 FT	102B0060A	102A0060A	102C0060A	102G0060A
				13A	12 FT	102B0120A	102A0120A	102C0120A	102G0120A
				13A	20 FT	102B0200A	102A0200A	102C0200A	102G0200A
3			1-Green 2-Black 3-White	13A	3 FT	103B0030A	103A0030A	103C0030A	103G0030A
				13A	6 FT	103B0060A	103A0060A	103C0060A	103G0060A
				13A	12 FT	103B0120A	103A0120A	103C0120A	103G0120A
				13A	20 FT	103B0200A	103A0200A	103C0200A	103G0200A
4			1-Black 2-White 3-Red 4-Green	10A	3 FT	104B0030A	104A0030A	104C0030A	104G0030A
				10A	6 FT	104B0060A	104A0060A	104C0060A	104G0060A
				10A	12 FT	104B0120A	104A0120A	104C0120A	104G0120A
				10A	20 FT	104B0200A	104A0200A	104C0200A	104G0200A
5			1-White 2-Red 3-Green 4-Orange 5-Black	8A	3 FT	105B0030A	105A0030A	105C0030A	105G0030A
				8A	6 FT	105B0060A	105A0060A	105C0060A	105G0060A
				8A	12 FT	105B0120A	105A0120A	105C0120A	105G0120A
				8A	20 FT	105B0200A	105A0200A	105C0200A	105G0200A
6 A-Size			1-White 2-Red 3-Green 4-Orange 5-Black 6-Blue	8A	3 FT	106AB0030A	106AA0030A	106AC0030A	106AG0030A
				8A	6 FT	106AB0060A	106AA0060A	106AC0060A	106AG0060A
				8A	12 FT	106AB0120A	106AA0120A	106AC0120A	106AG0120A
				8A	20 FT	106AB0200A	106AA0200A	106AC0200A	106AG0200A





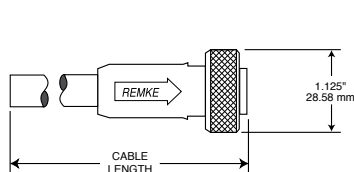
6 TO 8 POLE RUBBER MINI-LINK™ ASSEMBLIES

SPECIFICATIONS

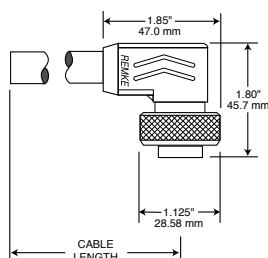
MATERIALS		ELECTRICAL	
Body	Rubber	Voltage Rating	600 V
Contact	Brass, Gold Plated over Nickel	Contact Resistance	≤5mΩ
Sleeve	Stainless Steel	ENVIRONMENTAL	
Coupling Nut	Machined Aluminum, Black Anodized (stainless steel available)		
Cable	#16 AWG NBR/PVC Rubber 65 x #34 stranding 90° C, UL Recognized SOOW, CSA Certified		
Cable Diameters	6/C-.53", 7/C-.54", 8/C-.60"	Protection	IP 67
		Operating Temp	-20°C to 90°C
		OPTIONS	
		Stainless Steel Hardware can be specified - add "1" after Part Number.	
		Consult the factory for custom cord lengths, and a full range of wire management product accessories.	

PLUGS AND CABLE ASSEMBLIES WITH #16 AWG SOOW-A CABLE

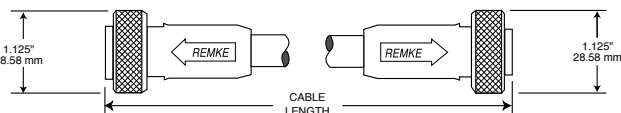
PLUG ASSEMBLY PART NUMBERS									
Number of Poles	Male Face View	Female Face View	Wiring Color Code	AMP RTG. @ 600V	Cable Length	Male Straight	Female Straight	Female 90°	Male/Female Assembly
6 B-Size			1-Orange 2-Blue 3-Black 4-White 5-Red 6-Green	8A	3 FT	106BB0030A	106BA0030A	106BC0030A	106BG0030A
				8A	6 FT	106BB0060A	106BA0060A	106BC0060A	106BG0060A
				8A	12 FT	106BB0120A	106BA0120A	106BC0120A	106BG0120A
				8A	20 FT	106BB0200A	106BA0200A	106BC0200A	106BG0200A
7			1-Wht.blk. Tr. 2-Black 3-White 4-Red 5-Orange 6-Blue 7-Green	8A	3 FT	107B0030A	107A0030A	107C0030A	107G0030A
				8A	6 FT	107B0060A	107A0060A	107C0060A	107G0060A
				8A	12 FT	107B0120A	107A0120A	107C0120A	107G0120A
				8A	20 FT	107B0200A	107A0200A	107C0200A	107G0200A
8			1-Orange 2-Blue 3-Wht.blk. Tr. 4-Black 5-White 6-Red 7-Green 8-Red-Blk. Tr.	7A	3 FT	108B0030A	108A0030A	108C0030A	108G0030A
				7A	6 FT	108B0060A	108A0060A	108C0060A	108G0060A
				7A	12 FT	108B0120A	108A0120A	108C0120A	108G0120A
				7A	20 FT	108B0200A	108A0200A	108C0200A	108G0200A



STRAIGHT PLUG



90° PLUG



MALE/FEMALE CORDSET



9 TO 12 POLE RUBBER MINI-LINK™ ASSEMBLIES

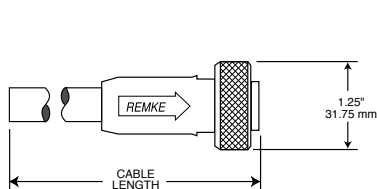
SPECIFICATIONS

MATERIALS		ENVIRONMENTAL	
Body	Rubber	Protection	IP 67
Contact	Brass, Gold Plated over Nickel	Operating Temp	-20°C to 90°C
Sleeve	Stainless Steel	CERTIFICATIONS  Recognized, File No. E165657  Certified, File No. E165657	
Coupling Nut	Machined Aluminum, Black Anodized (stainless steel available)		
Cable	#16 AWG NBR/PVC Rubber 65 x #34 stranding 90° C, UL Recognized SOOW, CSA Certified	OPTIONS Stainless Steel Hardware can be specified - add "1" after Part Number. Consult the factory for custom cord lengths, and a full range of wire management product accessories.	
Cable Diameters	9/C-.62", 10/C-.63", 12/C-.67"		
ELECTRICAL		NOTE Not available in #18 AWG.	
Voltage Rating	600 V		
Contact Resistance	≤5mΩ		

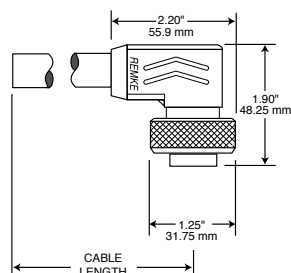
PLUGS AND CABLE ASSEMBLIES WITH #16 AWG SOOW-A CABLE

PLUG ASSEMBLY PART NUMBERS

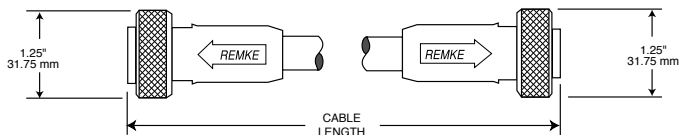
Number of Poles	Male Face View	Female Face View	Wiring Color Code	AMP RTG. @ 600V	Cable Length	Male Straight	Female Straight	Female 90°	Male/Female Assembly
9			1-Orange 2-Blue 3-Red-Blk. Tr. 4-Green-Blk. Tr. 5-White 6-Red 7-Green 8-White-Blk. Tr. 9-Black	7A	3 FT	109B0030A	109A0030A	109C0030A	109G0030A
				7A	6 FT	109B0060A	109A0060A	109C0060A	109G0060A
				7A	12 FT	109B0120A	109A0120A	109C0120A	109G0120A
				7A	20 FT	109B0200A	109A0200A	109C0200A	109G0200A
10			1-Orange 2-Blue 3-White-Blk. Tr. 4-Red-Blk. Tr. 5-Green-Blk. Tr. 6-Org.-Blk. Tr. 7-Red 8-Green 9-Black 10-White	7A	3 FT	110B0030A	110A0030A	110C0030A	110G0030A
				7A	6 FT	110B0060A	110A0060A	110C0060A	110G0060A
				7A	12 FT	110B0120A	110A0120A	110C0120A	110G0120A
				7A	20 FT	110B0200A	110A0200A	110C0200A	110G0200A
12			1-Orange 2-Blue 3-Wht.blk. Tr. 4-Red-Blk. Tr. 5-Green-Blk. Tr. 6-Org.-Blk. Tr. 7-Blue.-Blk. Tr. 8-Blk.-Wht. Tr. 9-Green 10-Red 11-White 12-Black	5A	3 FT	112B0030A	112A0030A	112C0030A	112G0030A
				5A	6 FT	112B0060A	112A0060A	112C0060A	112G0060A
				5A	12 FT	112B0120A	112A0120A	112C0120A	112G0120A
				5A	20 FT	112B0200A	112A0200A	112C0200A	112G0200A



STRAIGHT PLUG



90° PLUG



MALE/FEMALE CORDSET



2 TO 5 POLE HI-TEMP SILICONE MINI-LINK™ ASSEMBLIES

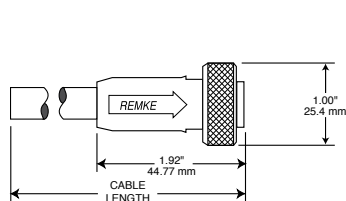
SPECIFICATIONS

MATERIALS		ELECTRICAL	
Body	Silicone Rubber	Voltage Rating	600 V
Contact	Brass, Gold Plated over Nickel	Contact Resistance	≤5mΩ
Sleeve	Stainless Steel	ENVIRONMENTAL	
Coupling Nut	Machined Aluminum, Black Anodized (stainless steel available)	Protection	IP 67
Cable	#16 AWG Silicone Rubber 65 x #34 stranding -50° C to 180°C, UL Recognized S00W, CSA Certified	Operating Temp	-50°C to 180°C
Cable Diameters	2/C-.30", 3/C-.32", 4/C-.35", 5/C-.38"	OPTIONS	
		Stainless Steel Hardware can be specified - add "1" after Part Number.	
		Consult the factory for custom cord lengths, and a full range of wire management product accessories.	

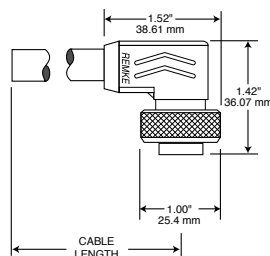
PLUGS AND CABLE ASSEMBLIES WITH #16 AWG S00W-A CABLE

PLUG ASSEMBLY PART NUMBERS

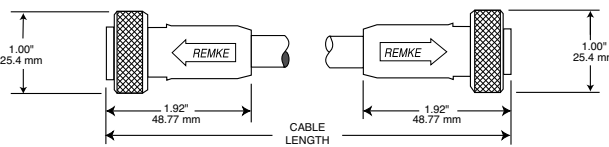
Number of Poles	Male Face View	Female Face View	Wiring Color Code	AMP RTG. @ 600V	Cable Length	Male Straight	Female Straight	Female 90°	Male/Female Assembly
2			1-White 2-Black	13A	3 FT	102B0030AHT	102A0030AHT	102C0030AHT	102G0030AHT
				13A	6 FT	102B0060AHT	102A0060AHT	102C0060AHT	102G0060AHT
				13A	12 FT	102B0120AHT	102A0120AHT	102C0120AHT	102G0120AHT
				13A	20 FT	102B0200AHT	102A0200AHT	102C0200AHT	102G0200AHT
3			1-Green 2-Black 3-White	13A	3 FT	103B0030AHT	103A0030AHT	103C0030AHT	103G0030AHT
				13A	6 FT	103B0060AHT	103A0060AHT	103C0060AHT	103G0060AHT
				13A	12 FT	103B0120AHT	103A0120AHT	103C0120AHT	103G0120AHT
				13A	20 FT	103B0200AHT	103A0200AHT	103C0200AHT	103G0200AHT
4			1-Black 2-White 3-Red 4-Green	10A	3 FT	104B0030AHT	104A0030AHT	104C0030AHT	104G0030AHT
				10A	6 FT	104B0060AHT	104A0060AHT	104C0060AHT	104G0060AHT
				10A	12 FT	104B0120AHT	104A0120AHT	104C0120AHT	104G0120AHT
				10A	20 FT	104B0200AHT	104A0200AHT	104C0200AHT	104G0200AHT
5			1-White 2-Red 3-Green 4-Orange 5-Black	8A	3 FT	105B0030AHT	105A0030AHT	105C0030AHT	105G0030AHT
				8A	6 FT	105B0060AHT	105A0060AHT	105C0060AHT	105G0060AHT
				8A	12 FT	105B0120AHT	105A0120AHT	105C0120AHT	105G0120AHT
				8A	20 FT	105B0200AHT	105A0200AHT	105C0200AHT	105G0200AHT



STRAIGHT PLUG



90° PLUG



MALE/FEMALE CORDSET



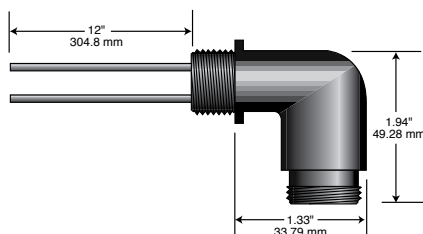
2 TO 6 POLE MINI-LINK™ RECEPTACLES

SPECIFICATIONS			
MATERIALS		ENVIRONMENTAL	
Contact	Brass, Gold Plated over Nickel	Protection	IP 67
Sleeve	Stainless Steel	Operating Temp	-20°C to 105°C
Shell	Machined Aluminum, Black Anodized (Stainless Steel available)	CERTIFICATIONS	
Wire	#16 AWG/600 Volts 26 x #30 Stranding		Recognized, File No. E165657
"O" Ring	Viton		Certified, File No. E165657
Lock Nut	Plated Steel (not pictured)	OPTIONS	
ELECTRICAL		Stainless Steel Hardware can be specified - add "1" after Part Number.	
Voltage Rating	600 V	Consult the factory for custom wire lengths, and a full range of wire management product accessories.	
Contact Resistance	≤5mΩ	NOTES	
		*-Not available in stainless steel.	
		Knock-out dimensions in Tuff-Link Technical Reference Section.	

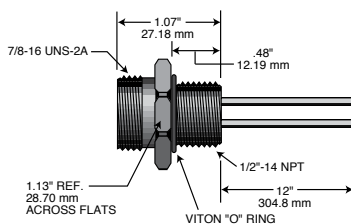
RECEPTACLES WITH 12" PIGTAIL LEADS

PLUG ASSEMBLY PART NUMBERS

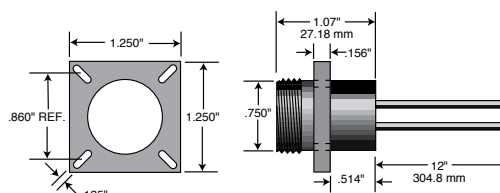
Number of Poles	Amps	Male Face View	Female Face View	Wiring Color Code	Male Straight	Male 90 Degree*	Male Flange Mt.*	Female Straight	Female 90 Degree*	Female Flange Mt.*
2	13			1-White 2-Black	102P0010M	102U0010M	102PF0010M	102Q0010M	102V0010M	102QF0010M
3	13			1-Green 2-Black 3-White	103P0010M	103U0010M	103PF0010M	103Q0010M	103V0010M	103QF0010M
4	10			1-Black 2-White 3-Red 4-Green	104P0010M	104U0010M	104PF0010M	104Q0010M	104V0010M	104QF0010M
5	8			1-White 2-Red 3-Green 4-Orange 5-Black	105P0010M	105U0010M	105PF0010M	105Q0010M	105V0010M	105QF0010M
6 A-Size	8			1-White 2-Red 3-Green 4-Orange 5-Black 6-Blue	106AP0010M	106AU0010M	106APF0010M	106AQ0010M	106AV0010M	106AQF0010M



90° RECEPTACLE



RECEPTACLE



RECEPTACLE WITH FLANGE

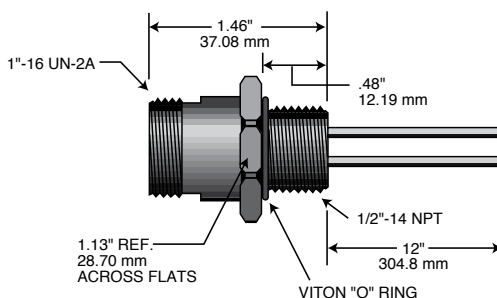


6 TO 8 POLE MINI-LINK™ RECEPTACLES

SPECIFICATIONS			
MATERIALS		ENVIRONMENTAL	
Contact	Brass, Gold Plated over Nickel	Protection	IP 67
Sleeve	Stainless Steel	Operating Temp	-20°C to 105°C
Shell	Machined Aluminum, Black Anodized (stainless steel available)	CERTIFICATIONS	
Wire	#16 AWG/600 Volts 26 x #30 Stranding	Recognized, File No. E165657 Certified, File No. E165657	
"O" Ring	Viton		
Lock Nut	Plated Steel (not pictured)	OPTIONS	
ELECTRICAL		Stainless Steel Hardware can be specified - add "1" after Part Number.	
Voltage Rating	600 V	Consult the factory for custom wire lengths, and a full range of wire management product accessories.	
Contact Resistance	≤5mΩ	NOTE	
		Knock-out dimensions in Tuff-Link Technical Reference Section.	

RECEPTACLES WITH 12" PIGTAIL LEADS

PLUG ASSEMBLY PART NUMBERS						
Number of Poles	Amps	Male Face View	Female Face View	Wiring Color Code	Male Straight	Female Straight
6 B Size	8			1-Orange 2-Blue 3-Black 4-White 5-Red 6-Green	106BP0010M	106BQ0010M
7				1-Wht. Blk. Tr. 2-Black 3-White 4-Red 5-Orange 6-Blue 7-Green	107P0010M	107Q0010M
8	7			1-Orange 2-Blue 3-Wht.-Blk. Tr. 4-Black 5-White 6-Red 7-Green 8-Red-Blk. Tr.	108P0010M	108Q0010M



RECEPTACLE



9 TO 12 POLE MINI-LINK™ RECEPTACLES

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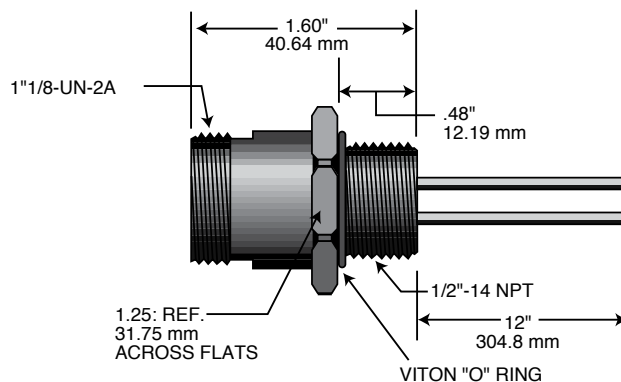
SPECIFICATIONS

MATERIALS		ENVIRONMENTAL	
Contact	Brass, Gold Plated over Nickel	Protection	IP 67
Sleeve	Stainless Steel	Operating Temp	-20°C to 105°C
Shell	Machined Aluminum, Black Anodized (stainless steel available)	CERTIFICATIONS	
Wire	#16 AWG/600 Volts 26 x #30 Stranding	Recognized, File No. E165657 Certified, File No. E165657	
"O" Ring	Viton		
Lock Nut	Plated Steel (not pictured)	OPTIONS	
ELECTRICAL		Stainless Steel Hardware can be specified - add "1" after Part Number.	
Voltage Rating	600 V	Consult the factory for custom wire lengths, and a full range of wire management product accessories.	
Contact Resistance	≤5mΩ	NOTES	
		*-Not available in stainless steel.	
		Knock-out dimensions in Tuff-Link Technical Reference Section.	

RECEPTACLES WITH 12" PIGTAIL LEADS

PLUG ASSEMBLY PART NUMBERS

Number of Poles	Amps	Male Face View	Female Face View	Wiring Color Code		Male Straight	Female Straight
9	7			1-Orange 2-Blue 3-Red-Blk. Tr. 4-Green-Blk. Tr. 5-White	6-Red 7-Green 8-White-Blk. Tr. 9-Black	109P0010M	109Q0010M
10	7			1-Orange 2-Blue 3-White-Blk. Tr. 4-Red-Blk. Tr. 5-Green-Blk. Tr.	6-Org.-Blk. Tr. 7-Red 8-Green 9-Black 10-White	110P0010M	110Q0010M
12	5			1-Orange 2-Blue 3-Wht.blk. Tr. 4-Red-Blk. Tr. 5-Green-Blk. Tr. 6-Org.-Blk. Tr.	7-Blue.-Blk. Tr. 8-Blk.-Wht. Tr. 9-Green 10-Red 11-White 12-Black	112P0010M	112Q0010M



RECEPTACLE

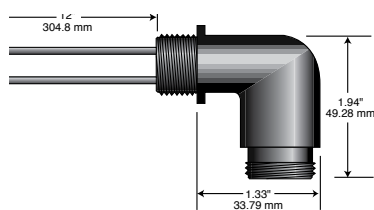


2 TO 5 POLE HI-TEMP SILICONE MINI-LINK™ RECEPTACLES

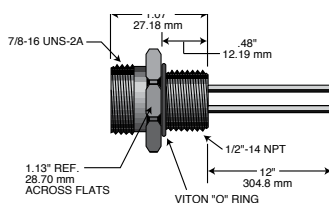
SPECIFICATIONS			
MATERIALS		ENVIRONMENTAL	
Contact	Brass, Gold Plated over Nickel	Protection	IP 67
Sleeve	Stainless Steel	Operating Temp	-50°C to 180°C
Shell	Machined Aluminum, Black Anodized (stainless steel available)	OPTIONS	
Wire	#16 AWG/600 Volts 26 x #30 Stranding TFE	Stainless Steel Hardware can be specified - add "1" after Part Number.	
"O" Ring	Viton	Consult the factory for custom wire lengths, and a full range of wire management product accessories.	
Lock Nut	Plated Steel (not pictured)	NOTES	
ELECTRICAL		*-Not available in stainless steel.	
Voltage Rating	600 V	Knock-out dimensions in Tuff-Link Technical Reference Section. See page 186.	
Contact Resistance	≤5mΩ		

RECEPTACLES WITH 12" PIGTAIL LEADS

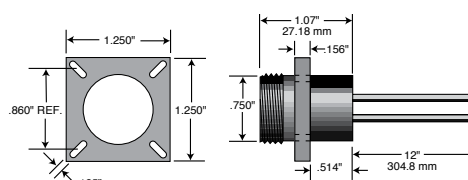
PLUG ASSEMBLY PART NUMBERS											
Number of Poles	Amps	Male Face View	Female Face View	Wiring Color Code	Male Straight	Male 90 Degree*	Male Flange Mt.*	Female Straight	Female 90 Degree*	Female Flange Mt.*	
2	13			1-White 2-Black	102P0010MHT	102U0010MHT	102PF0010MHT	102Q0010MHT	102V0010MHT	102QF0010MHT	
3	13			1-Green 2-Black 3-White	103P0010MHT	103U0010MHT	103PF0010MHT	103Q0010MHT	103V0010MHT	103QF0010MHT	
4	10			1-Black 2-White 3-Red 4-Green	104P0010MHT	104U0010MHT	104PF0010MHT	104Q0010MHT	104V0010MHT	104QF0010MHT	
5	8			1-White 2-Red 3-Green 4-Orange 5-Black	105P0010MHT	105U0010MHT	105PF0010MHT	105Q0010MHT	105V0010MHT	105QF0010MHT	



90° RECEPTACLE



RECEPTACLE



RECEPTACLE WITH FLANGE



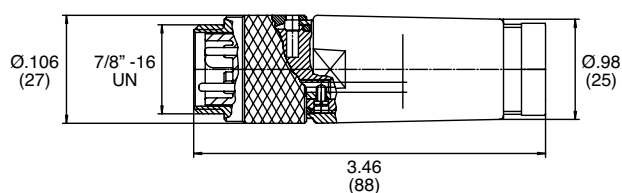
SPECIFICATIONS			
MATERIALS		ELECTRICAL	
Body	Nylon	Voltage Rating	250 V
Contact Carrier	PUR	Current	3 pole - 12 amps, 4 & 5 pole - 9 amps
Contact	Brass, Gold over Nickel Plating	ENVIRONMENTAL	
Coupling Nut	Aluminum, Anodized Black	Protection	IP 67 (only in fully locked position)
Cable Outlets	PG9 - 6 to 8mm, PG11 - 8 to 10mm, PG16 - 12 to 14mm	Operating Temp	-20°C to 90°C

NOTE: Setscrew Style Terminals

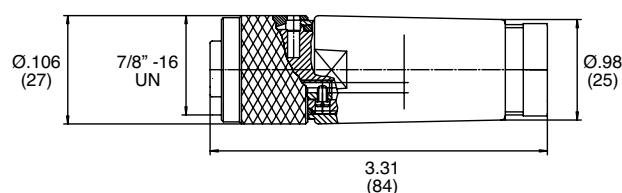
MINI ATTACHABLES

CONNECTOR PART NUMBERS

Number of Poles	Male Face View	Female Face View	Cable Entry	Male Straight	Female Straight
3			PG9	103EFW9	103AFW9
			PG11	103EFW11	103AFW11
4			PG9	104EFW9	104AFW9
5			PG9	105EFW9	105AFW9
			PG11	105EFW11	105AFW11
			PG16	105EFW16	105AFW16



MALE STRAIGHT



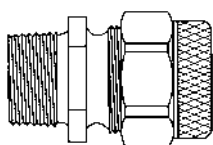
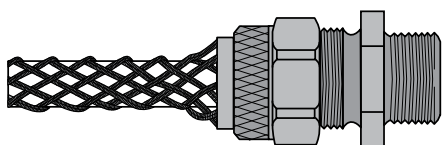
FEMALE STRAIGHT



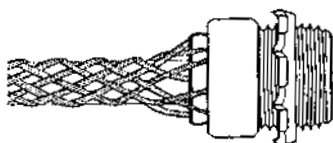
MINI-LINK™ AND WIRE MANAGEMENT ACCESSORIES

STRAIN RELIEF CORD GRIPS

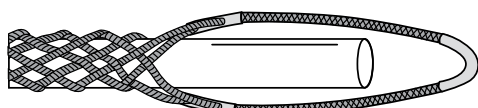
Available in standard sizes (1/4" through 3"), Remke Cord Grips are produced in aluminum, nylon, steel and stainless steel to provide maximum sealing and support for cord terminations. Custom designs are available, including designs with metric threads and other special features. Inquire of your Remke Representative or Distributor.



CORD GRIPS



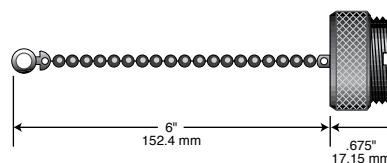
WIDE RANGE GRIPS



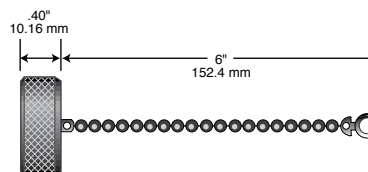
BUS DROP GRIPS

CLOSURE CAPS FOR PLUGS AND RECEPTACLES

Plug & Receptacle with Internal Threads



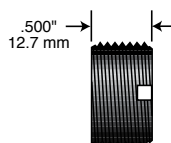
Receptacle with External Threads



Number of Poles	Plugs	Receptacles
2, 3, 4, 5 OR 6 (A-SIZE)	75-0085	75-0086
6 TO 8 (B-SIZE)	75-0102	75-0103
9, 10, OR 12 (C-SIZE)	75-0104	75-0105

Also available in stainless steel

ADAPTER FOR JOINING TWO CABLE ASSEMBLIES



Number of Poles	Part Number
2 TO 6 (A-SIZE)	56-0426
6 TO 8 (B-SIZE)	56-0466
9 TO 12 (C-SIZE)	56-0496

Also available in stainless steel

CORD CONNECTORS

WIRE MESH GRIPS

PICO-LINK

MICRO-LINK

ETHERLINK

MINI-LINK

MULTI-PORT BOXES

BUS SYSTEM PRODUCTS



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MICRO-PORT™ AND MINI-PORT™ DISTRIBUTION BOXES



MICRO-PORT AND MINI-PORT DISTRIBUTION BOXES

Remke's Micro-Port and Mini-Port Distribution Boxes consolidate up to 12 connections into a single base unit. Using these boxes means you can change components in seconds and conserve space by utilizing a single cable connection to your control system instead of up to eight separate cables.

Micro-Port Distribution Boxes feature:

- Parallel wiring
- Standard gold-plated contacts for enhanced connectivity
- PVC, PUR or rubber cables to meet various environmental needs
- 4, 6 or 8 outlets in either 3 or 4 pole, single or dual keyway configurations

Mini-Port Distribution Boxes feature:

- Parallel wiring or optional Series wiring
- Standard gold-plated contacts for enhanced connectivity
- PVC, PUR or rubber cables to meet various environmental needs
- 4, 6 or 8 outlets in a 3 pole configuration

All Remke distribution boxes are designed to eliminate the need for knockouts and terminal strips so that wiring errors won't occur – saving you both time and money during installation and maintenance.

TYPICAL APPLICATIONS USING MINI-PORT OR MICRO-PORT DISTRIBUTION BOXES

Automotive assembly
Robotics
Packaging machinery
Conveyors
Material handling equipment
Automated machinery

PRODUCTS THAT TYPICALLY USE MINI-PORT OR MICRO-PORT DISTRIBUTION BOXES

8mm, 12mm or 18mm

- proximity sensors
- limit switches
- solenoids
- miniature controls

CORD CONNECTORS

WIRE MESH GRIPS

PICO-LINK

MICRO-LINK

ETHERLINK

MINI-LINK

MULTI-PORT BOXES

BUS SYSTEM
PRODUCTS



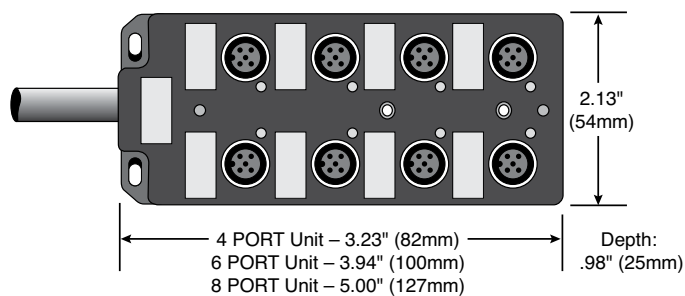
4, 6 AND 8 OUTLET MICRO-LINK™ SINGLE KEY (M12) DISTRIBUTION BOXES

SPECIFICATIONS

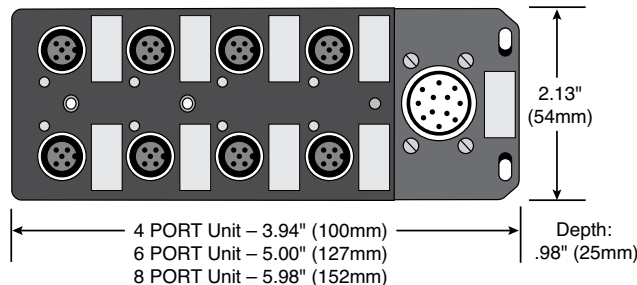
MATERIALS		ELECTRICAL	
Contact Carrier	Nylon	Voltage Rating	10 to 30 VDC
Contacts	Brass, Gold Plated over Nickel	Contact Resistance	≤5mΩ
O-Ring	Viton	Current	4 amps per Outlet/12 amps per Unit
Shell	Brass, Nickel Plated	ENVIRONMENTAL	
Housing	Nylon	Protection	IP65
Label Materials	Nylon	Operating Temp	-20°C to +80°C
CERTIFICATIONS			
Pending			
NOTE			
Consult factory for special configurations			

DISTRIBUTION BOX PART NUMBERS

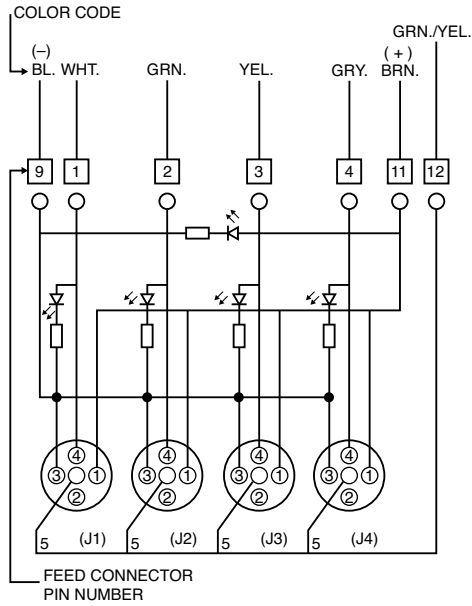
Number of Outlets	Feed Connector Pinout (Face View, Male)	Color Code/Function	Description	Box Number
4		1 = White 2 = Green 3 = Yellow 4 = Grey 9 = Blue (-) 11 = Brown (+) 12 = Green/Yellow (PE)	4 Pole Parallel Wired With Connector Feed	3400014
			4 Pole Parallel Wired With Cable Feed (5M)	3400010
			4 Pole Parallel Wired With Cable Feed (10M)	3400012
6		1 = White 2 = Green 3 = Yellow 4 = Grey 5 = Pink 6 = Red 9 = Blue (-) 11 = Brown (+) 12 = Green/Yellow (PE)	4 Pole Parallel Wired With Connector Feed	3400020
			4 Pole Parallel Wired With Cable Feed (5M)	3400016
			4 Pole Parallel Wired With Cable Feed (10M)	3400018
8		1 = White 2 = Green 3 = Yellow 4 = Grey 5 = Pink 6 = Red 7 = Black 8 = Violet 9 = Blue (-) 10 = Blue (-) 11 = Brown (+) 12 = Green/Yellow (PE)	4 Pole Parallel Wired With Connector Feed	3400026
			4 Pole Parallel Wired With Cable Feed (5M)	3400022
			4 Pole Parallel Wired With Cable Feed (10M)	3400024



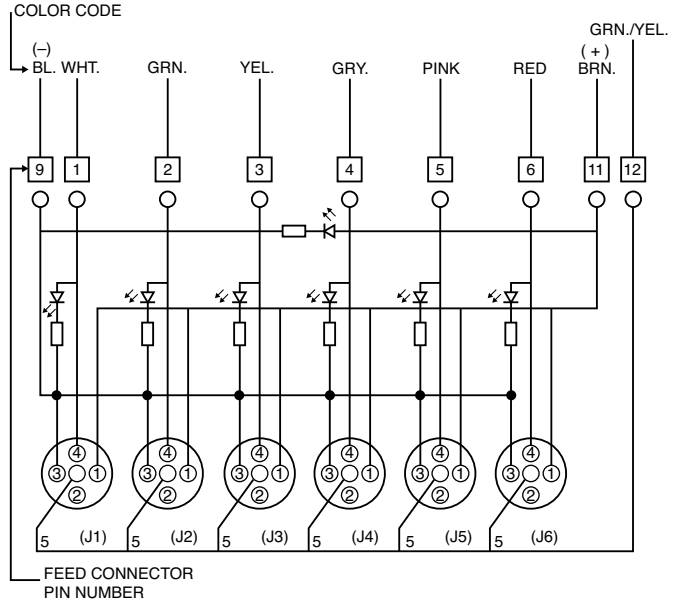
CABLE FEED



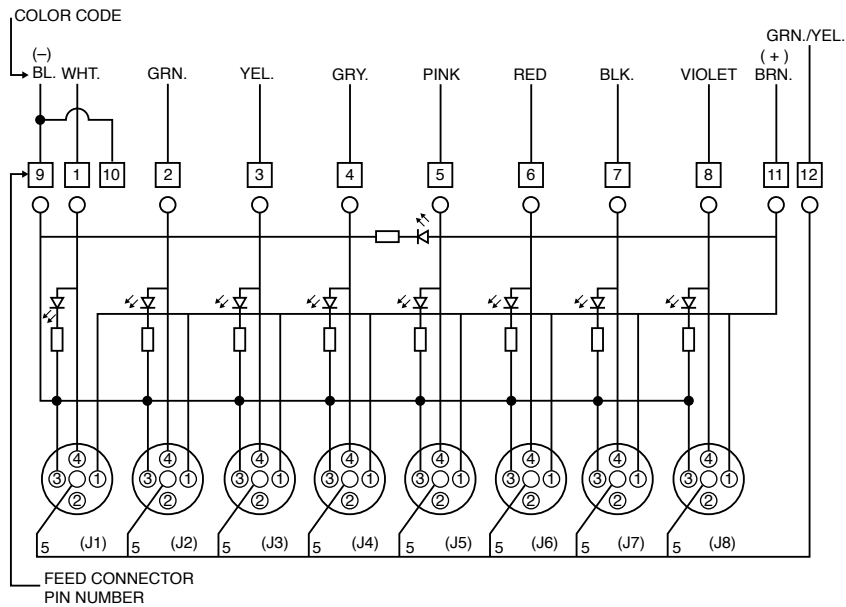
CONNECTOR FEED



4 OUTLET WIRING SCHEMATIC



6 OUTLET WIRING SCHEMATIC



8 OUTLET WIRING SCHEMATIC

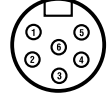


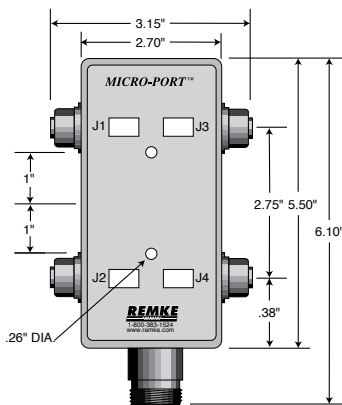
4, 6 AND 8 OUTLET MICRO-LINK™ DUAL KEY DISTRIBUTION BOXES

SPECIFICATIONS

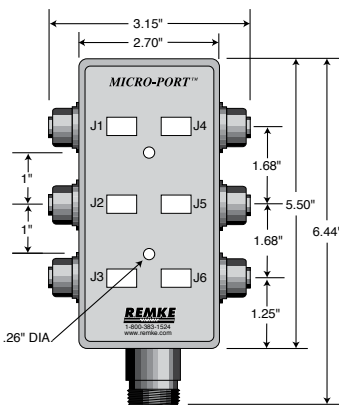
MATERIALS		ENVIRONMENTAL	
Contact Carrier	Nylon	Protection	IP68
Contacts	Brass, Gold Plated over Nickel	Operating Temp	-50°C to 90°C (UL), -34°C to 90°C (cRU)
O-Ring	Nitrile Rubber	CERTIFICATIONS	
Port Shell	Anodized Aluminum	Pending	
Housing	Polyester	NOTES	
Label Materials	Polyester	Box height for all sizes - 1.37" / 34.80mm	
ELECTRICAL		Consult factory for special configurations.	
Voltage Rating	250 VAC/ 300 VDC		
Contact Resistance	≤5mΩ		
Current	5 amps per Outlet/7 amps per Unit		

DISTRIBUTION BOX PART NUMBERS

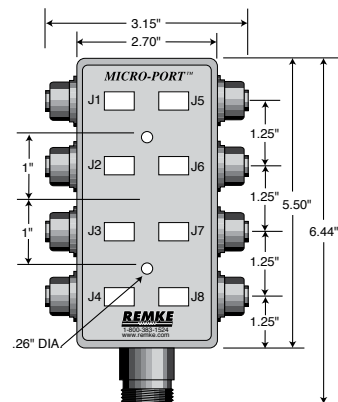
Number of Outlets	Feed Connector Pinout (Face View, Male)	Color Code/Function		Description	Box Number
4		1 = White / Common (L1) 2 = Red / LOAD J1 (L2) 3 = Green Ground 4 = Orange / LOAD J2 (L2) 5 = Black / LOAD J3 (L2) 6 = Blue / LOAD J4 (L2)		3 Pole Parallel Wired with Connector Feed	3400040
				3 Pole Parallel Wired with Cable Feed (5M)	3400043
				3 Pole Parallel Wired with Cable Feed (10M)	3400044
6		1 = Orange / LOAD J2 (L2) 2 = Blue / LOAD J4 (L2) 3 = Wht. / Blk. Tr. / LOAD J5 (L2) 4 = Black / LOAD J3 (L2) 5 = White / Common (L1) 6 = Red / LOAD J1 (L2)	7 = Green / Ground 8 = Red/Blk. Tr. / LOAD J6 (L2)	3 Pole Parallel Wired with Connector Feed	3400041
				3 Pole Parallel Wired with Cable Feed (5M)	3400045
				3 Pole Parallel Wired with Cable Feed (10M)	3400046
8		1 = Orange / LOAD J2 (L2) 2 = Blue/ LOAD J4 (L2) 3 = Wht./Blk. Tr. / LOAD J5 (L2) 4 = Red/Blk. Tr./LOAD J6 (L2) 5 = Green/Blk. Tr. /LOAD J7 (L2) 6 = Orange/Blk. Tr./LOAD J8 (L2)	7 = Red/LOAD J1 (L2) 8 = Green/Ground 9 = Black/LOAD J3 (L2) 10 = White/Common (L1)	3 Pole Parallel Wired with Connector Feed	3400042
				3 Pole Parallel Wired with Cable Feed (5M)	3400047
				3 Pole Parallel Wired with Cable Feed (10M)	3400048



4 OUTLET



6 OUTLET

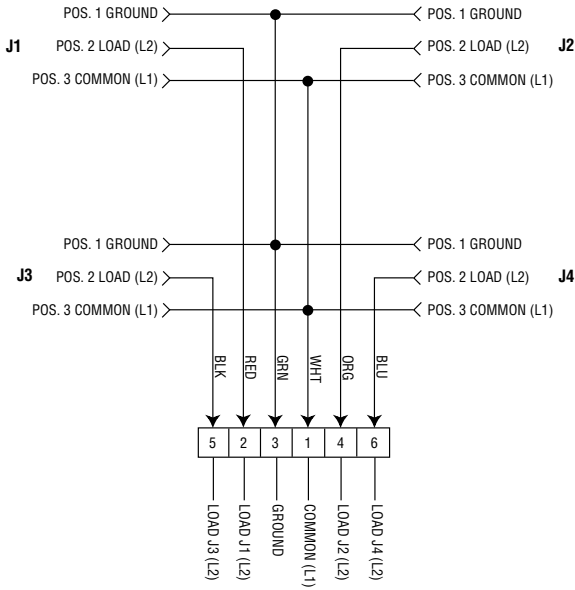


8 OUTLET

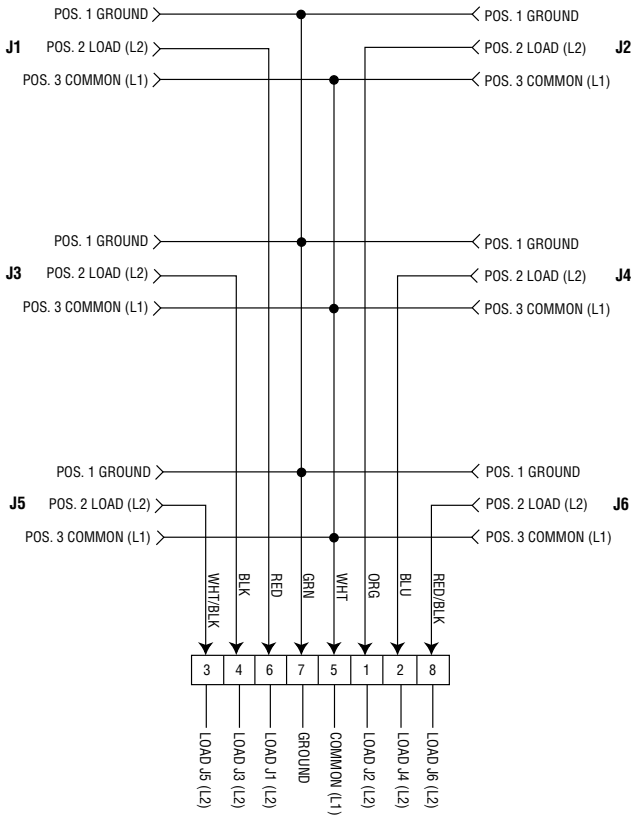
NOTE

Connector Feed Shown

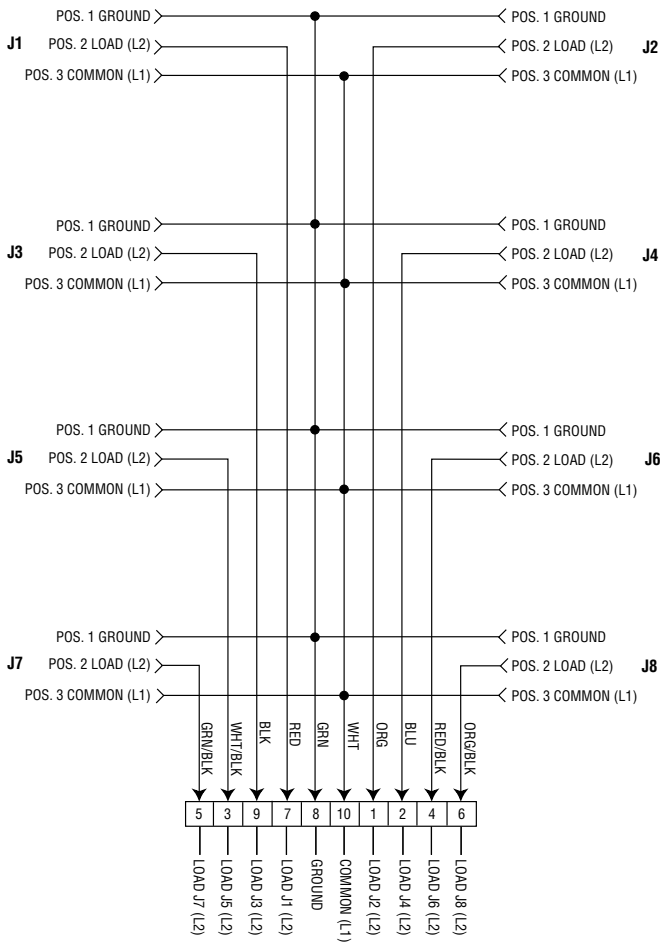
SCHEMATICS



4 OUTLET WIRING SCHEMATIC



6 OUTLET WIRING SCHEMATIC



8 OUTLET WIRING SCHEMATIC

CORD CONNECTORS

WIRE MESH GRIPS

PICO-LINK

MICRO-LINK

ETHERLINK

MINI-LINK

MULTI-PORT BOXES

BUS SYSTEM PRODUCTS



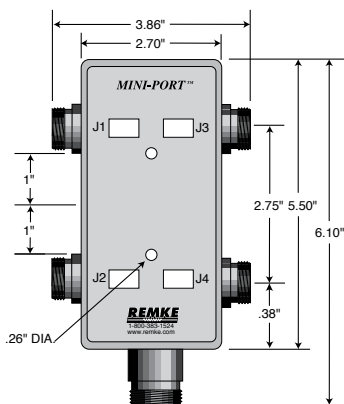
4, 6 AND 8 OUTLET MINI-LINK™ DISTRIBUTION BOXES

SPECIFICATIONS

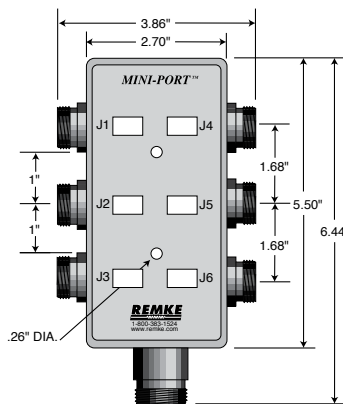
MATERIALS		ENVIRONMENTAL	
Contact Carrier	PVC	Protection	IP68
Contacts	Brass, Gold Plated over Nickel	Operating Temp	-20°C to 105°C
Sleeve	Stainless Steel	CERTIFICATIONS	
Port Shell	Anodized Aluminum	Pending	
Housing	Polyester	NOTES	
Label Materials	Polyester	Box height for all sizes - 1.37" / 34.80mm	
ELECTRICAL		Consult factory for special configurations.	
Voltage Rating	600 V		
Current	7 amps per Unit		
Contact Resistance	≤5mΩ		

DISTRIBUTION BOX PART NUMBERS

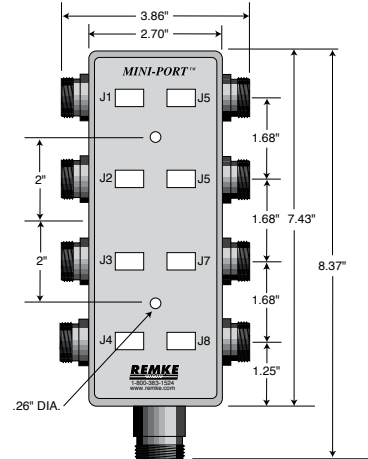
Number of Outlets	Feed Connector Pinout	Color Code/Function	Description	Box Number
4		1 = White / Common (L1) 2 = Red / LOAD J1 (L2) 3 = Green Ground 4 = Orange / LOAD J2 (L2) 5 = Black / LOAD J3 (L2) 6 = Blue / LOAD J4 (L2)	3 Pole Parallel Wired with Connector Feed	3400001
			3 Pole Parallel Wired with Cable Feed (5M)	3400004
			3 Pole Parallel Wired with Cable Feed (10M)	3400005
6		1 = Orange / LOAD J2 (L2) 2 = Blue / LOAD J4 (L2) 3 = Wht./Blk. Tr. / LOAD J5 (L2) 4 = Black / LOAD J3 (L2) 5 = White / Common (L1) 6 = Red / LOAD J1 (L2) 7 = Green / Ground 8 = Red/Blk. Tr. / LOAD J6 (L2)	3 Pole Parallel Wired with Connector Feed	3400002
			3 Pole Parallel Wired with Cable Feed (5M)	3400006
			3 Pole Parallel Wired with Cable Feed (10M)	3400007
8		1 = Orange / LOAD J2 (L2) 2 = Blue / LOAD J4 (L2) 3 = Wht./Blk. Tr. / LOAD J5 (L2) 4 = Red/Blk. Tr./LOAD J6 (L2) 5 = Green/Blk. Tr./LOAD J7 (L2) 6 = Orange/Blk. Tr./LOAD J8 (L2) 7 = Red/LOAD J1 (L2) 8 = Green/Ground 9 = Black/LOAD J3 (L2) 10 = White/Common (L1)	3 Pole Parallel Wired with Connector Feed	3400003
			3 Pole Parallel Wired with Cable Feed (5M)	3400008
			3 Pole Parallel Wired with Cable Feed (10M)	3400009



4 OUTLET



6 OUTLET

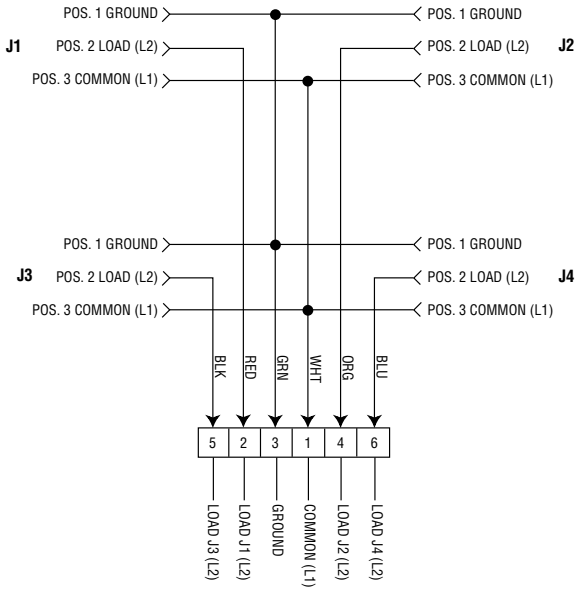


8 OUTLET

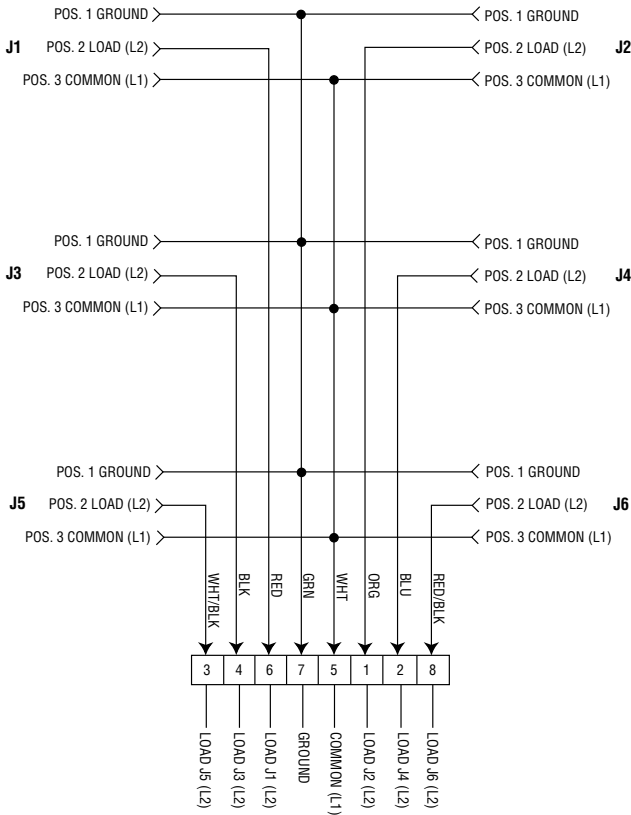
NOTE

Connector Feed Shown

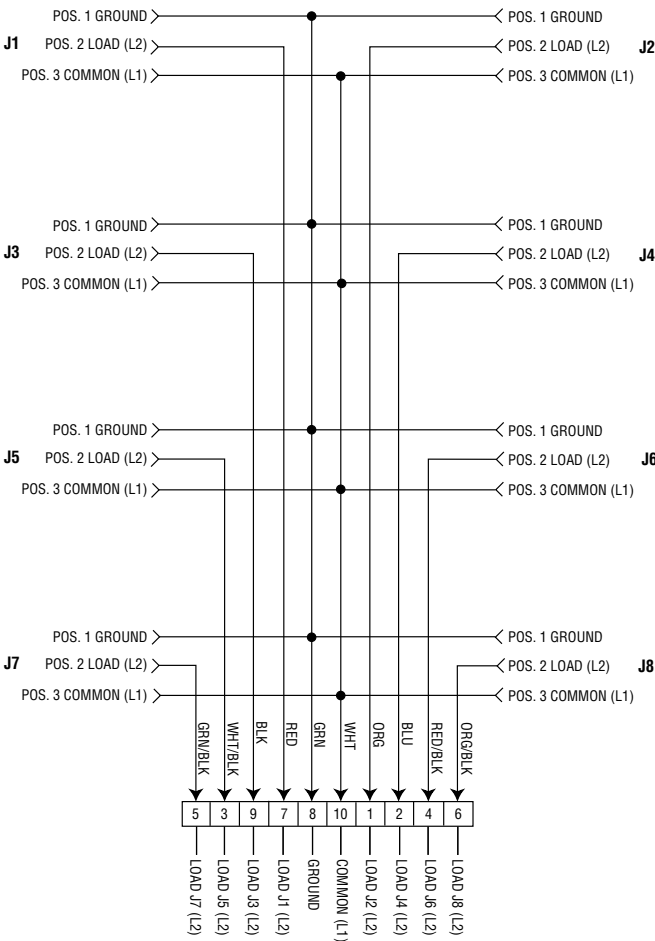
SCHEMATICS



4 OUTLET WIRING SCHEMATIC



6 OUTLET WIRING SCHEMATIC



8 OUTLET WIRING SCHEMATIC

CORD CONNECTORS

WIRE MESH GRIPS

PICO-LINK

MICRO-LINK

ETHERLINK

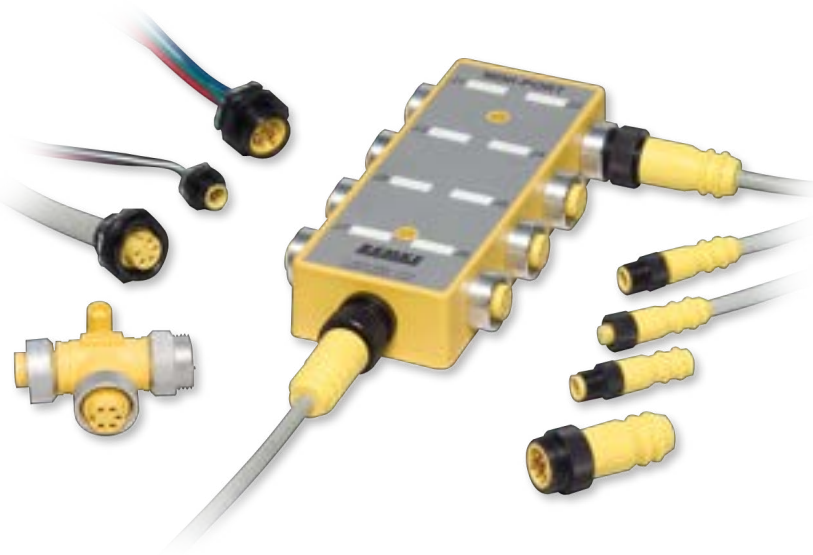
MINI-LINK

MULTI-PORT BOXES

BUS SYSTEM PRODUCTS



TUFF-LINK™ BUS SYSTEM CONNECTOR PRODUCTS



TUFF-LINK™ BUS SYSTEM CONNECTOR PRODUCTS

Developed to meet DeviceNet™ and other CAN network architecture, the Tuff-Link family of Bus System Connector Products are designed for harsh industrial environments including IP68 conditions. The product line includes connectors, cable assemblies, receptacles, molded tees, terminators and several types of multi-port junction boxes all of which meet NEMA, IEC, UL & CSA standards.

THE FAMILY OF BUS SYSTEM CONNECTOR PRODUCTS INCLUDES:

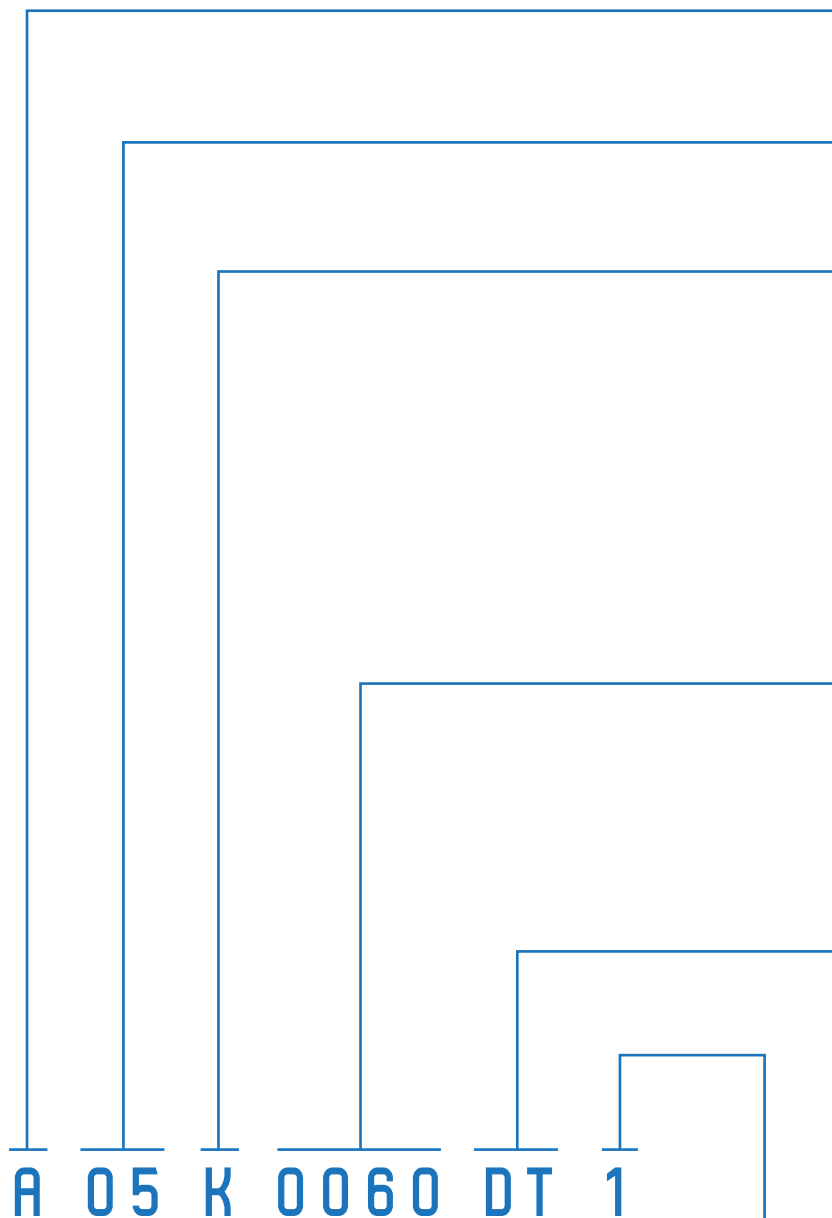
- Both Mini-Link™ and Micro-Link™ 5-pole connectors which are available as either single or double-ended cable assemblies in a variety of male/female and straight/90° configurations with optional stainless steel couplers
- Mating male or female panel mount receptacles for any cable assembly configuration.
 - These receptacles feature both an O-Ring and locknut to create the tightest seal possible – which are features that most other connector manufacturers offer only as an option.
- Mini-Port and Micro-Port Bus Box in two styles:
Passive feed-thru and passive drop
 - Passive feed-thru boxes are ideal for applications where the trunk line of the bus network is adjacent to machines since this style box takes the place of a molded tee.
 - Both the Mini and Micro versions of the passive feed-thru box are available with 4 or 6 ports.
 - Passive drop boxes are available with 4, 6 or 8 ports in both the Mini and Micro sizes.

The Tuff-Link Bus System product family also includes tees and terminators molded from durable PVC with optional stainless steel couplers.



MINI-TYPE™ BUS SYSTEM PRODUCT ORDERING INFORMATION

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Use this example for help when ordering.

BUS TYPE

A = DeviceNet™
C = SDS™ * (Smart Distributed Systems)
E = Seriplex™ *
Note: * = Consult factory.

NUMBER OF POLES

05 = 5 Pole

CONNECTOR STYLE

A = Female Straight
C = Female 90 Degree
E = Male Straight
F = Male 90 Degree
K = M/F Ext. (Straight/Straight)
L = M/F Ext. (Straight/90°)
M = M/F Ext. (90°/Straight)
N = M/F Ext. (90°/90°)
AK = Female Receptacle
AL = Male Receptacle
FL = Female Receptacle (Leads Only)
ML = Male Receptacle (Leads Only)

ASSEMBLY LENGTH (FT.)

1st Digit is 100 x length
2nd Digit is 10 x length
3rd Digit is 1 length
4th Digit is .1 x length
T = Terminator (A or E Connector Style only)

CABLE CODE

DD = DeviceNet Drop (Thin)
DT = DeviceNet Trunk (Thick)
MD = SDS Drop*
MT = SDS Trunk*
SD = Seriplex Drop*
ST = Seriplex Trunk*
Note: * = Consult factory.

OPTIONS

1 = Stainless Steel
2 = Nickel Plated Brass
N = Non-metallic
Blank = Std. Aluminum

CORD CONNECTORS

WIRE MESH GRIPS

PICO-LINK

MICRO-LINK

ETHERLINK

MINI-LINK

MULTI-PORT BOXES

BUS SYSTEM
PRODUCTS



DEVICENET™ BULK CABLE (PHYSICAL MEDIA)

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SPECIFICATIONS

OVERALL CONSTRUCTION

Voltage	300V, 80°C
Jacket	Grey Oil Resistant PVC
Conductor Insulation	Polyethylene
Shield	3 Shields, Aluminum Polyester Foil, 100% Coverage and Outer Braid Shield, 65% Coverage

POWER PAIR

Insulation	Polyethylene 80°C
Stranding	2 / #15 AWG (19 x #27)
DC Resistance	3.6 Ohms/1000 Ft.
Current	8A
Color Code	Black, Red

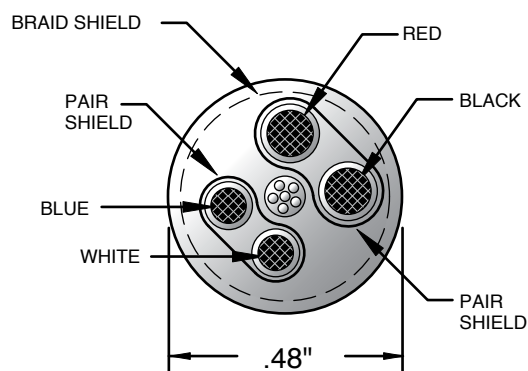
DATA PAIR

Insulation	Polyethylene 80°C
Stranding	2 / #18 AWG (19 x #30)
DC Resistance	6.9 Ohms/1000 Ft.
Capacitance	12 PF/FT.
Color Code	Blue, White

APPROVALS

UL	AWM 20201
CSA	AWM 1/11 A/B
ODVA	Meets or Exceeds

TRUNK (THICK) CABLE



DESCRIPTION	CATALOG NUMBER
500 FT. / SPOOL	A055000DT



DEVICENET™ BULK CABLE (PHYSICAL MEDIA)

SPECIFICATIONS

OVERALL CONSTRUCTION

Voltage	300V, 80°C
Jacket	Grey Oil Resistant PVC
Conductor Insulation	Polyethylene
Shield	3 Shields, Aluminum Polyester Foil, 100% Coverage and Outer Braid Shield, 65% Coverage

POWER PAIR

Insulation	Polyethylene 80°C
Stranding	2 / #22 AWG (19 x #34)
DC Resistance	17.5 Ohms/1000 Ft.
Current	4A
Color Code	Black, Red

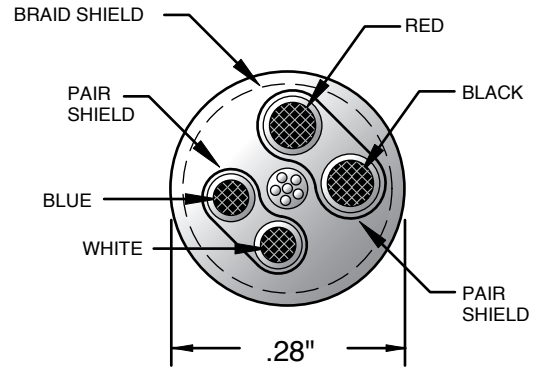
DATA PAIR

Insulation	Polyethylene 80°C
Stranding	2 / #24 AWG (19 x #36)
DC Resistance	27.7 Ohms/1000 Ft.
Capacitance	12 PF/FT.
Color Code	Blue, White

APPROVALS

UL	AWM 20201
CSA	AWM 1/11 A/B
ODVA	Meets or Exceeds

DROP (THIN) CABLE



DESCRIPTION	CATALOG NUMBER
500 FT. / SPOOL	B055000DD

CORD CONNECTORS

WIRE MESH GRIPS

PICO-LINK

MICRO-LINK

ETHERLINK

MINI-LINK

MULTI-PORT BOXES

BUS SYSTEM
PRODUCTS



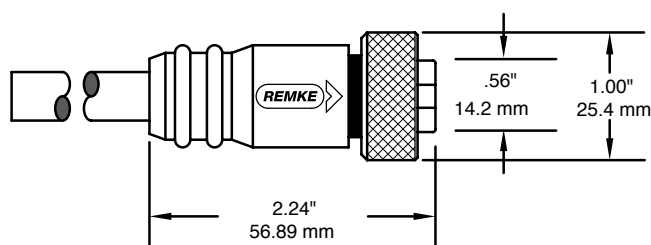
DEVICENET™ SINGLE-ENDED CABLE ASSEMBLIES

SPECIFICATIONS			
MATERIALS		ENVIRONMENTAL	
Body	PVC (Yellow)	Protection	IP68
Contact Sleeve	Stainless Steel	Operating Temp	-20 to 80°C
Contact	Brass, Gold Plated over Nickel	CERTIFICATIONS	
Coupling Nut	Machined Aluminum, Black Anodized	Pending	
Cable	DeviceNet PVC Jacketed/Shielded 80°C See Bulk Cable Page 166	OPTIONS	
Cable Diameter	5/C - .48"	Stainless Steel Couplers	
ELECTRICAL		Non-metallic Couplers	
Voltage	300V	NOTES	
Current	See Bulk Cable Page 166	See ordering nomenclature for different lengths/options	
		Standard color is gray but other colors available. Connector bodies are yellow.	

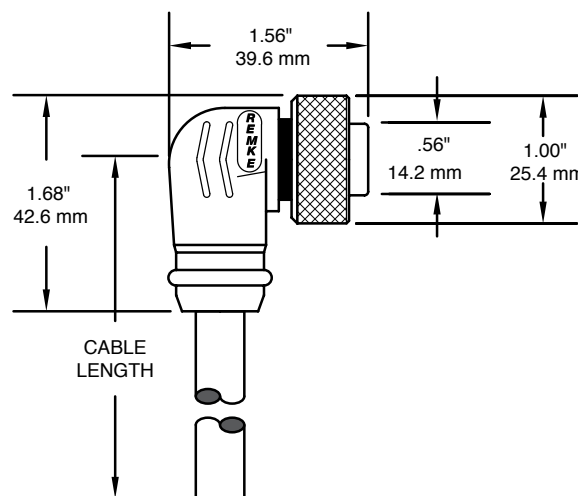
TRUNK (THICK) MINI-TYPE

CABLE ASSEMBLY PART NUMBERS

Male Face View	Female Face View	Wiring Color Code	Cable Length	Male Straight Plug	Male 90° Plug	Female Straight Plug	Female 90° Plug
		1=Drain 2=Red (V+) 3=Black (V-) 4=White (C A N_H) 5=Blue (C A N_L)	2M/6.6 FT.	A05E0066DT	A05F0066DT	A05A0066DT	A05C0066DT
			4M/13.1 FT.	A05E0131DT	A05F0131DT	A05A0131DT	A05C0131DT
			5M/16.4 FT.	A05E0164DT	A05F0164DT	A05A0164DT	A05C0164DT



TYPICAL STRAIGHT



TYPICAL 90 DEGREE



DEVICENET™ DOUBLE-ENDED CABLE ASSEMBLIES

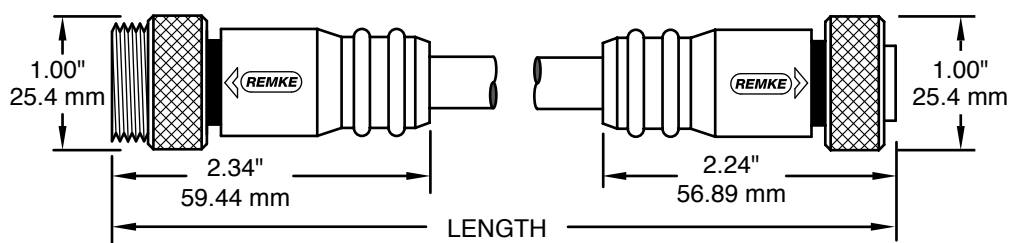
SPECIFICATIONS

MATERIALS		ELECTRICAL	
Body	PVC	Voltage	300V
Contact Sleeve	Stainless Steel	Current	See Bulk Cable Page 154
Contact	Brass, Gold Plated over Nickel	ENVIRONMENTAL	
Coupling Nut	Machined Aluminum, Black Anodized	Protection	IP68
Cable	DeviceNet PVC Jacketed/Shielded 80°C See Bulk Cable Page 166	Operating Temp	-20 to 80°C
Cable Diameter	5/C - .48"	CERTIFICATIONS	
		Pending	
		NOTE	
		See ordering nomenclature for different lengths/options	

TRUNK (THICK) MINI-TYPE

CABLE ASSEMBLY PART NUMBERS

Male Face View	Female Face View	Wiring Color Code	Cable Length	Male/Female
		1=Drain 2=Red (V+) 3=Black (V-) 4=White (C A N_H) 5=Blue (C A N_L)	2M/6.6 FT.	A05K0066DT
			4M/13.1 FT.	A05K0131DT
			5M/16.4 FT.	A05K0164DT



TYPICAL STRAIGHT

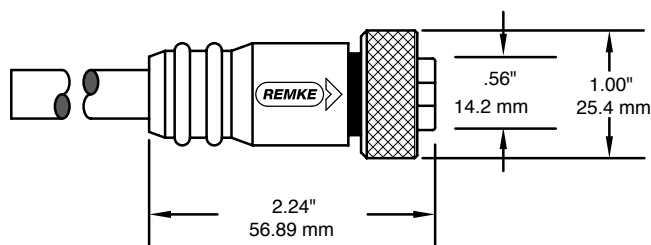


DEVICENET™ SINGLE-ENDED CABLE ASSEMBLIES

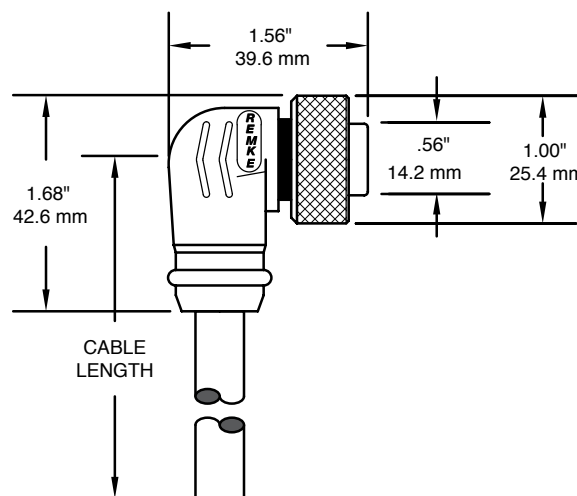
SPECIFICATIONS			
MATERIALS		ENVIRONMENTAL	
Body	PVC	Protection	IP68
Contact Sleeve	Stainless Steel	Operating Temp	-20 to 80°C
Contact	Brass, Gold Plated over Nickel	CERTIFICATIONS	
Coupling Nut	Machined Aluminum, Black Anodized	Pending	
Cable	DeviceNet PVC Jacketed/Shielded 80°C See Bulk Cable Page 167	OPTIONS	
Cable Diameter	5/C - .28"	Stainless Steel Couplers	
ELECTRICAL		Non-metallic Couplers	
Voltage	300V	NOTE	
Current	See Bulk Cable Page 167	See ordering nomenclature for different lengths/options	
		Standard color is gray but other colors available. Connector bodies are yellow.	

DROP (THIN) MINI-TYPE

CABLE ASSEMBLY PART NUMBERS							
Male Face View	Female Face View	Wiring Color Code	Cable Length	Male Straight Plug	Male 90° Plug	Female Straight Plug	Female 90° Plug
		1=Drain 2=Red (V+) 3=Black (V-) 4=White (C A N_H) 5=Blue (C A N_L)	2M/6.6 FT.	A05E0066DD	A05F0066DD	A05A0066DD	A05C0066DD
			4M/13.1 FT.	A05E0131DD	A05F0131DD	A05A0131DD	A05C0131DD
			5M/16.4 FT.	A05E0164DD	A05F0164DD	A05A0164DD	A05C0164DD



TYPICAL STRAIGHT



TYPICAL 90 DEGREE

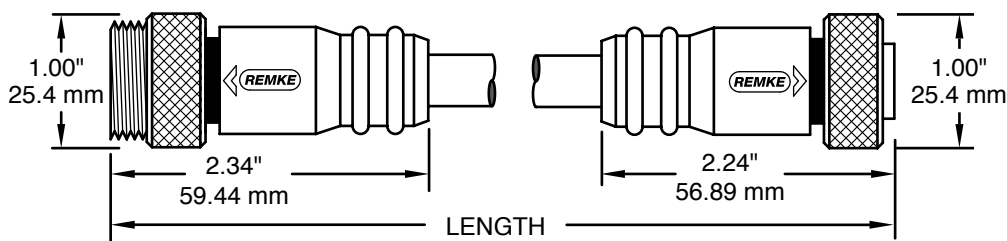


DEVICENET™ DOUBLE-ENDED CABLE ASSEMBLIES

SPECIFICATIONS			
MATERIALS		ELECTRICAL	
Body	PVC	Voltage	300V
Contact Sleeve	Stainless Steel	Current	See Bulk Cable Page 155
Contact	Brass, Gold Plated over Nickel	ENVIRONMENTAL	
Coupling Nut	Machined Aluminum, Black Anodized	Protection	IP68
Cable	DeviceNet PVC Jacketed/Shielded 80°C See Bulk Cable Page 167	Operating Temp	-20 to 80°C
Cable Diameter	5/C - .28"	CERTIFICATIONS	
		Pending	
		NOTE	
		See ordering nomenclature for different lengths/options	

DROP (THIN) MINI-TYPE

CABLE ASSEMBLY PART NUMBERS				
Male Face View	Female Face View	Wiring Color Code	Cable Length	Male/Female
		1=Drain 2=Red (V+) 3=Black (V-) 4=White (C A N_H) 5=Blue (C A N_L)	2M/6.6 FT.	A05K0066DD
			4M/13.1 FT.	A05K0131DD
			5M/16.4 FT.	A05K0164DD



TYPICAL STRAIGHT



MICRO-LINK (M12) BUS SENSOR PRODUCT ORDERING INFORMATION

Distributed by Gross Automation | +1 (262) 252-1600 | sales@grossautomation.com

B 05 K 0060 DD 1

Use this example for help when ordering.

BUS TYPE

B = DeviceNet™

D = SDS™ * (Smart Distributed Systems)

F = Seriplex™ *

Note: * = Consult factory.

NUMBER OF POLES

05 = 5 Pole

CONNECTOR STYLE

A = Female Straight

C = Female 90 Degree

E = Male Straight

F = Male 90 Degree

K = M/F Ext. (Straight/Straight)

L = M/F Ext. (Straight/90°)

M = M/F Ext. (90°/Straight)

N = M/F Ext. (90°/90°)

ASSEMBLY LENGTH (FT.)

1st Digit is 100 x length

2nd Digit is 10 x length

3rd Digit is 1 length

4th Digit is .1 x length

T = Terminator (A or E Connector Style only)

CABLE CODE

DD = DeviceNet Drop (Thin)

MD = SDS Drop*

SD = Seriplex Drop*

Note: * = Consult factory.

OPTIONS

1 = Stainless Steel

2 = Nickel Plated Brass

N = Non-metallic

Blank = Std. Aluminum



DEVICENET™ SINGLE-ENDED (M12) CABLE ASSEMBLIES

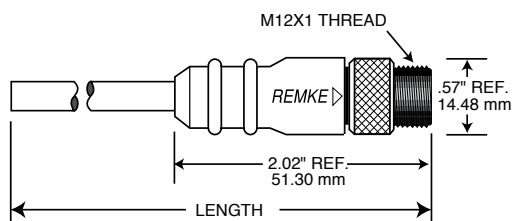
SPECIFICATIONS

MATERIALS		ENVIRONMENTAL	
Body	PVC	Protection	IP68
Contact	Brass, Gold Plated over Nickel	Operating Temp	-20 to 80°C
Coupling Nut	Machined Aluminum, Black Anodized		
Cable	DeviceNet PVC Jacketed/Shielded 80°C	CERTIFICATIONS	
	See Bulk Cable Page 167	Pending	
Cable Diameter	5/C - .28"	OPTIONS	
ELECTRICAL		Stainless Steel Couplers	
		Non-metallic Couplers	
		NOTE	
Voltage	250 VAC/300 VDC	See ordering nomenclature for different lengths/options	
Current	See Bulk Cable Page 167		

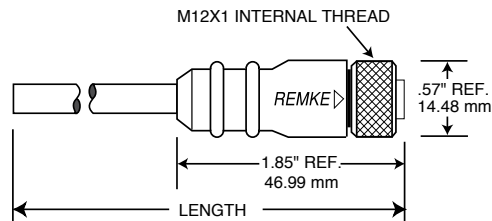
DROP (THIN) MICRO-TYPE

CABLE ASSEMBLY PART NUMBERS

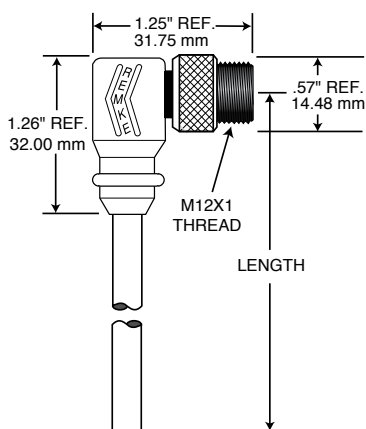
Male Face View	Female Face View	Wiring Color Code	Cable Length	Male Straight Plug	Male 90° Plug	Female Straight Plug	Female 90° Plug
		1=Drain 2=Red (V+) 3=Black (V-) 4=White (C A N_H) 5=Blue (C A N_L)	2M/6.6 FT.	B05E0066DD	B05F0066DD	B05A0066DD	B05C0066DD
			4M/13.1 FT.	B05E0131DD	B05F0131DD	B05A0131DD	B05C0131DD
			5M/16.4 FT.	B05E0164DD	B05F0164DD	B05A0164DD	B05C0164DD



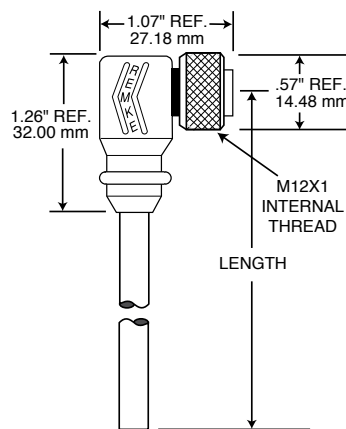
MALE STRAIGHT



FEMALE STRAIGHT



MALE 90 DEGREE



FEMALE 90 DEGREE

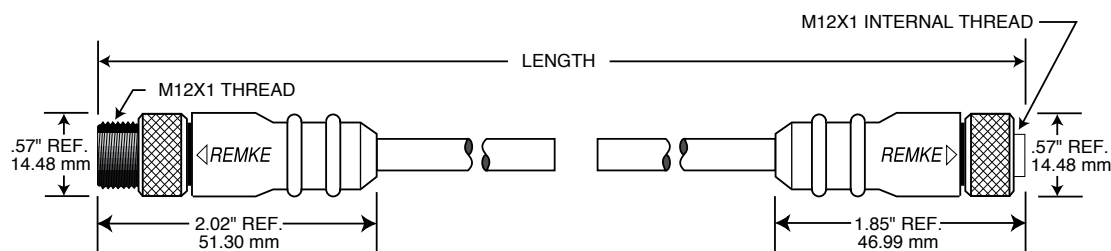


DEVICENET™ DOUBLE-ENDED (M12) CABLE ASSEMBLIES

SPECIFICATIONS			
MATERIALS		ENVIRONMENTAL	
Body	PVC	Protection	IP68
Contact	Brass, Gold Plated over Nickel	Operating Temp	-20 to 80°C
Coupling Nut	Machined Aluminum, Black Anodized	CERTIFICATIONS	
Cable	DeviceNet PVC Jacketed/Shielded 80°C See Bulk Cable Page 167	Pending	
Cable Diameter	5/C - .28"	NOTE	
ELECTRICAL		See ordering nomenclature for different lengths/options	
Voltage	250 VAC/300 VDC		
Current	See Bulk Cable Page 167		

DROP (THIN) MICRO-TYPE

CABLE ASSEMBLY PART NUMBERS				
Male Face View	Female Face View	Wiring Color Code	Cable Length	Male/Female
		1=Drain 2=Red (V+) 3=Black (V-) 4=White (C A N_H) 5=Blue (C A N_L)	2M/6.6 FT.	B05K0066DD
			4M/13.1 FT.	B05K0131DD
			5M/16.4 FT.	B05K0164DD



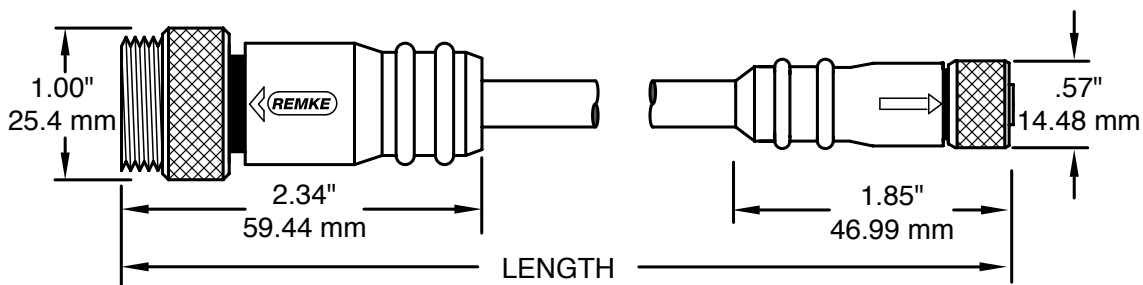


DEVICENET™ DOUBLE-ENDED CABLE ASSEMBLIES

SPECIFICATIONS			
MATERIALS		ENVIRONMENTAL	
Body	PVC	Protection	IP68
Contact	Brass, Gold Plated over Nickel	Operating Temp	-20 to 80°C
Coupling Nut	Machined Aluminum, Black Anodized	CERTIFICATIONS	
Cable	DeviceNet PVC Jacketed/Shielded 80°C See Bulk Cable Page 167	Pending	
Cable Diameter	5/C - .28"	NOTE	
ELECTRICAL		See ordering nomenclature for different lengths/options	
Voltage	250 VAC/300 VDC		
Current	See Bulk Cable Page 167		

DROP (THIN) MICRO-TYPE

CABLE ASSEMBLY PART NUMBERS				
Male Mini-Type	Female (M12) Micro-Type	Wiring Color Code	Cable Length	Male/Female
		1=Drain 2=Red (V+) 3=Black (V-) 4=White (C A N_H) 5=Blue (C A N_L)	2M/6.6 FT.	AB05K006DD
			4M/13.1 FT.	AB05K0131DD
			5M/16.4 FT.	AB05K0164DD





DEVICENET™ MINI-STYLE DISTRIBUTION BOXES

SPECIFICATIONS

MATERIALS

Contacts	Brass, Gold Plated over Nickel
Sleeve	Stainless Steel
Port Shell	Anodized Aluminum
Housing	Polyester
Label Material	Polyester

ELECTRICAL

Voltage	300V
Current	8 amps per Unit

ENVIRONMENTAL

Protection	IP68
Operating Temp	-40°C to 90°C

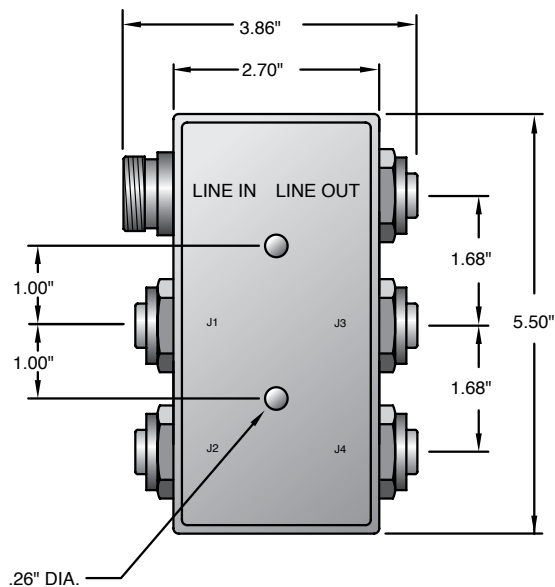
CERTIFICATIONS

Pending

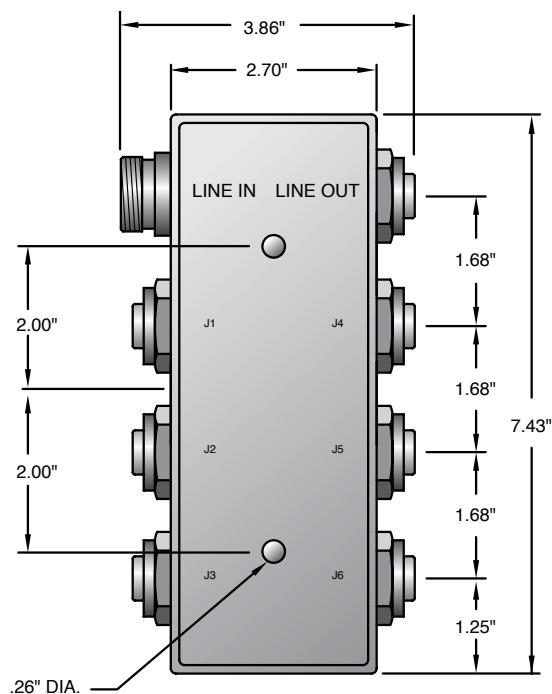
4 & 6 OUTLET PASSIVE IN-OUT TYPE

DISTRIBUTION BOXES PART NUMBERS

Male Bus (In)	Female Bus (Out)	Wiring Code/Function	4 Outlet	6 Outlet
		1=Drain 2= (V+) 3= (V-) 4= (CAN_H) 5= (CAN_L)	3400060	3400059

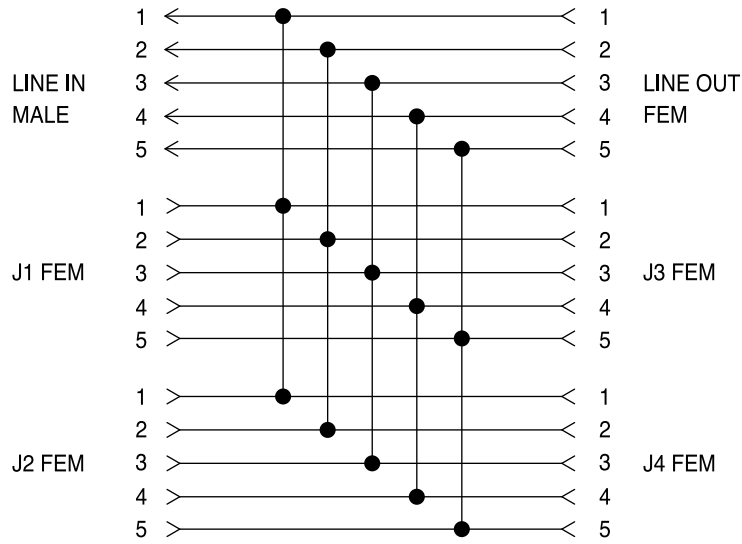


4 OUTLET BOX

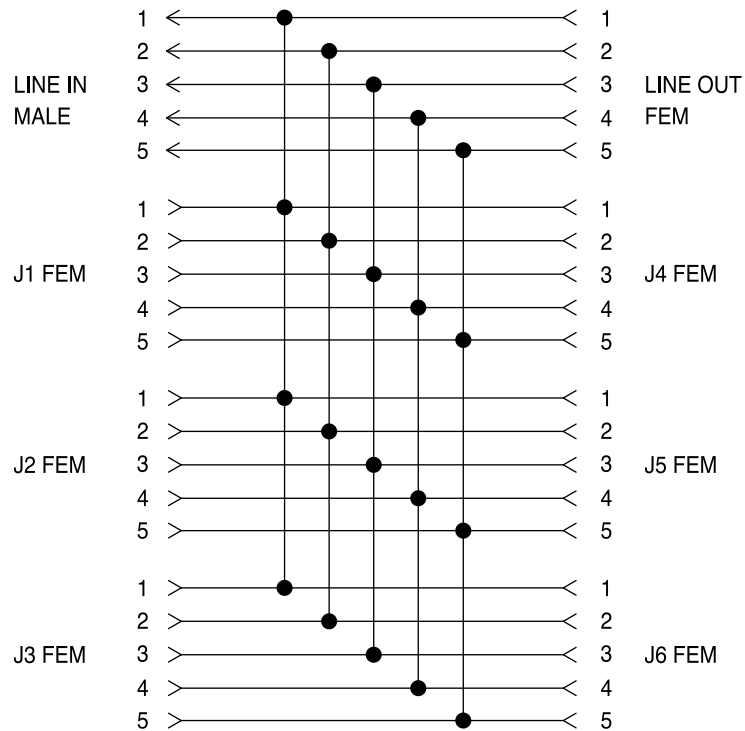


6 OUTLET BOX

WIRING DIAGRAM



4 OUTLET WIRING DIAGRAM



6 OUTLET WIRING DIAGRAM

CORD CONNECTORS

WIRE MESH GRIPS

PICO-LINK

MICRO-LINK

ETHERLINK

MINI-LINK

MULTI-PORT BOXES

BUS SYSTEM
PRODUCTS



DEVICENET™ MICRO-STYLE (M12) DISTRIBUTION BOXES

SPECIFICATIONS

MATERIALS

Contacts	Brass, Gold Plated over Nickel
Sleeve	Stainless Steel
Port Shell	Anodized Aluminum
Housing	Polyester
Label Material	Polyester

ELECTRICAL

Voltage Rating	250 VAC/300 VDC
Current	5 amps per Unit

ENVIRONMENTAL

Protection	IP68
Operating Temp	-40°C to 90°C

CERTIFICATIONS

Pending

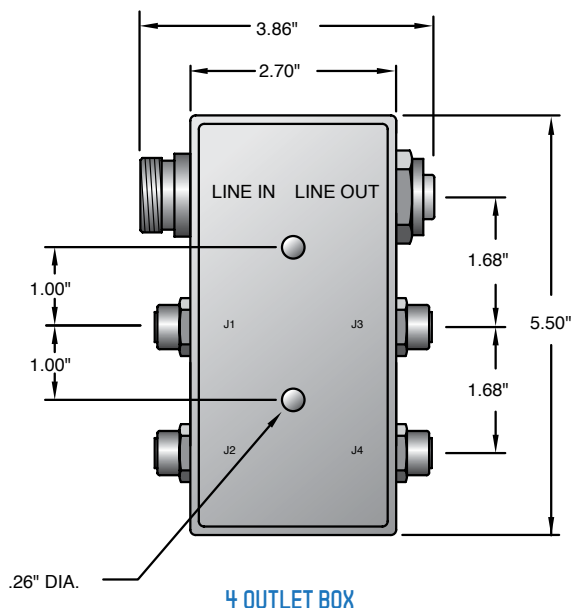
NOTE

Box height for all sizes - 1.37"/34.80mm.

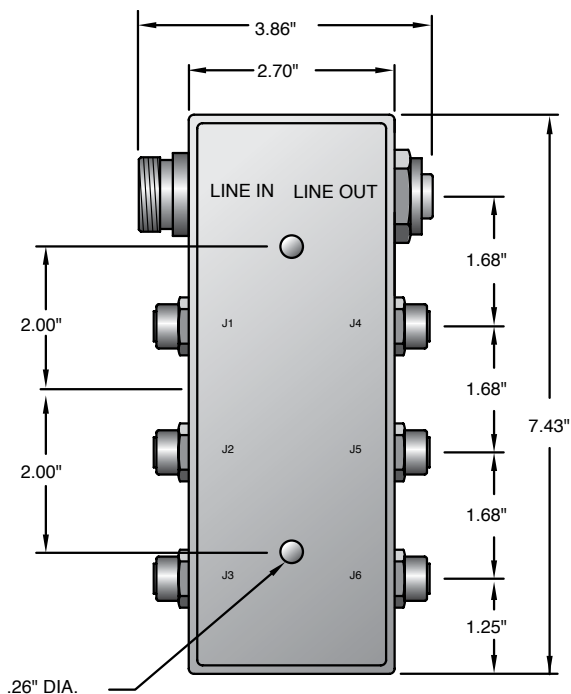
4 & 6 OUTLET PASSIVE IN-OUT TYPE

DISTRIBUTION BOXES PART NUMBERS

Male Bus (In)	Female Bus (Out)	Wiring Code/Function	4 Outlet	6 Outlet
		1=Drain 2=(V+) 3=(V-) 4=(C A N_H) 5=(C A N_L)	3400065	3400064

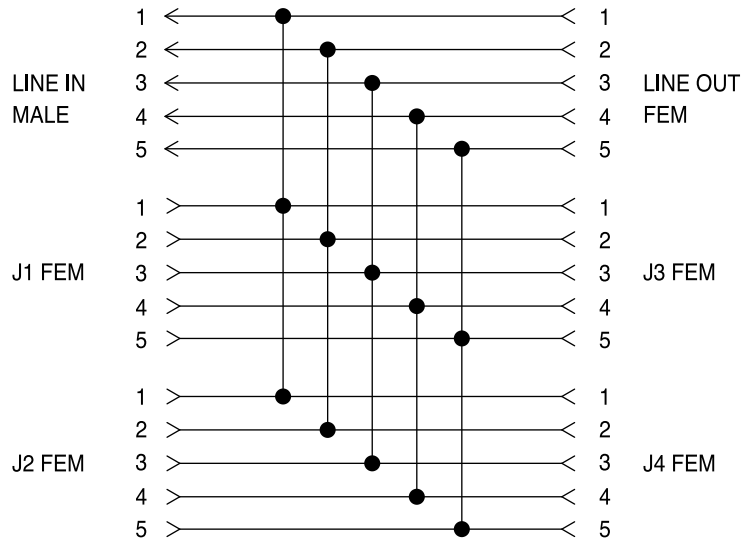


4 OUTLET BOX

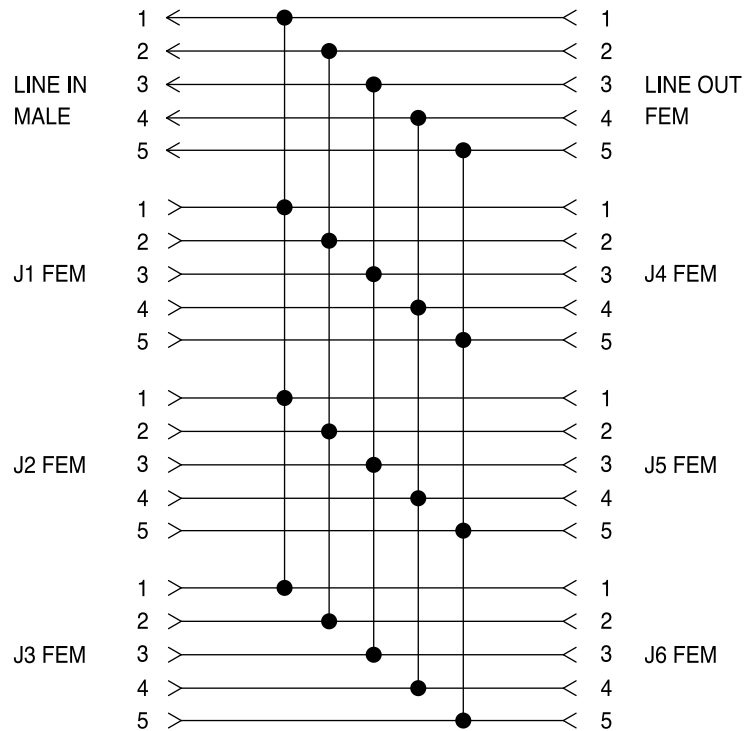


6 OUTLET BOX

WIRING DIAGRAM



4 OUTLET WIRING DIAGRAM



6 OUTLET WIRING DIAGRAM

CORD CONNECTORS

WIRE MESH GRIPS

PICO-LINK

MICRO-LINK

ETHERLINK

MINI-LINK

MULTI-PORT BOXES

BUS SYSTEM
PRODUCTS

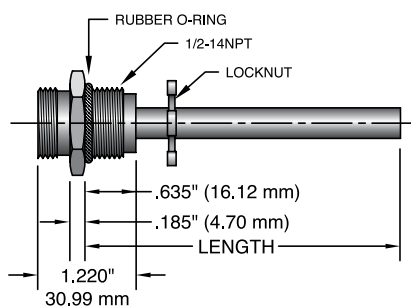


DEVICENET™ RECEPTACLES

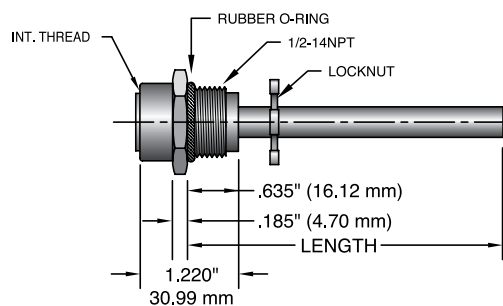
SPECIFICATIONS			
MATERIALS		ELECTRICAL	
Contact	Brass, Gold Plated over Nickel	Voltage	300V
Sleeve	Stainless Steel	Current	See Bulk Cable Page 166
Shell	Machined Aluminum, Black Anodized	ENVIRONMENTAL	
O-Ring	Viton	Protection	IP68
Locknut	Plated Steel	Operating Temp	-20 to 80°C
Cable Version	DeviceNet PVC Jacketed/Shielded 80°C See Bulk Cable Page 166	CERTIFICATIONS	
Cable Diameter	5/C - .48"	Pending	
Wire Version	#16 AWG PVC (26 x #30 Stranding)	NOTES	
		See ordering nomenclature for different lengths/options	
		Knock-out dimensions in Tuff-Link Technical Reference Section.	

DEVICENET MINI-TYPE RECEPTACLES. CABLE AND WIRE VERSIONS

RECEPTACLE PART NUMBERS						
Male Face View	Female Face View	Wiring Color Code	Male Receptacle w/Cable	Male Receptacle w/Leads	Female Receptacle w/Cable	Female Receptacle w/Leads
		1=Drain 2=Red (V+) 3=Black (V-) 4=White (CAN_H) 5=Blue (CAN_L)	A05AL0033DT Cable Length: 1M	A05ML0010M LEAD LENGTH: 12IN	A05AK0033DT CABLE LENGTH: 1M	A05FL0010M LEAD LENGTH: 12IN



MALE RECEPTACLE



FEMALE RECEPTACLE



DEVICENET™ RECEPTACLES

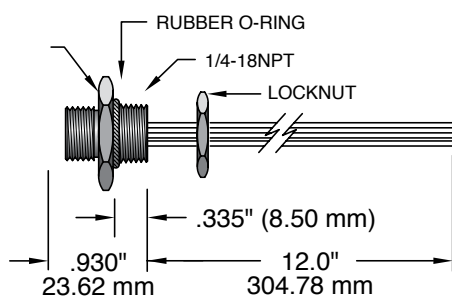
SPECIFICATIONS

MATERIALS		ENVIRONMENTAL	
Contact	Brass, Gold Plated over Nickel	Protection	IP68
Shell	Machined Aluminum, Black Anodized	Operating Temp	-20 to 80°C
O-Ring	Nitrile Rubber	CERTIFICATIONS	
Locknut	Plated Steel	Pending	
Wire	#18 AWG PVC (19 x #30 Stranding)	NOTES	
ELECTRICAL		See ordering nomenclature for different lengths/options	
Voltage	250 VAC/300 VDC	Knock-out dimensions in Tuff-Link Technical Reference Section.	
Current	5A-See Bulk Cable Page 167		

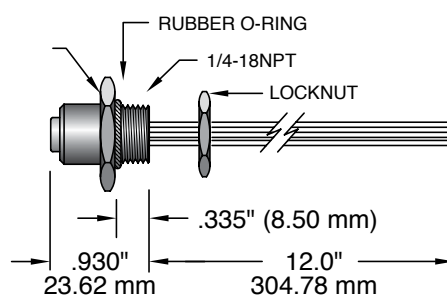
DEVICENET MICRO-TYPE RECEPTACLES

RECEPTACLE PART NUMBERS

Male Face View	Female Face View	Wiring Color Code	Male Receptacle w/Cable	Male Receptacle w/Leads	Female Receptacle w/Leads
		1=Drain 2=Red (V+) 3=Black (V-) 4=White (CAN_H) 5=Blue (CAN_L)	B05R0033DD CABLE LENGTH: 1M	B05R0010N LEAD LENGTH: 12IN	B05S0010N LEAD LENGTH: 12IN



MALE RECEPTACLE



FEMALE RECEPTACLE



DEVICENET™ BUS DROP TEES

Distributed by Gross Automation | +1 (262) 252-1600 | sales@grossautomation.com

SPECIFICATIONS

MATERIALS

Contacts	Copper Alloy with Gold Plating
Housing	PVC
Couplers	Clear Anodized Aluminum

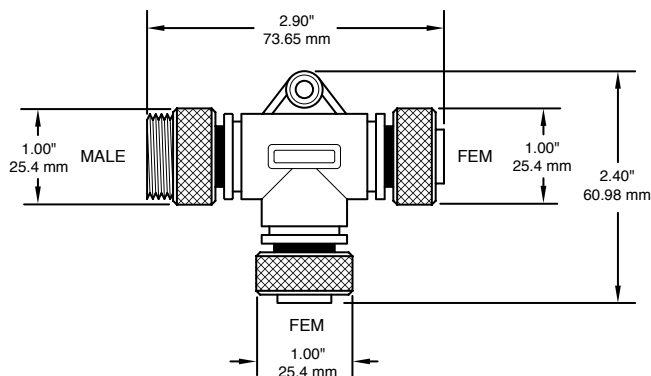
ELECTRICAL

Voltage	300 V
Current	8 amps

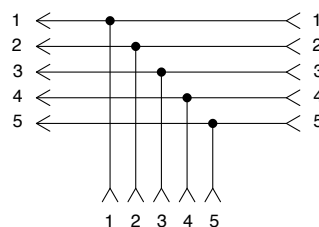
ENVIRONMENTAL

Protection	IP67
Operating Temp	-20°C to 105°C

BUS DROP TEE MINI-TYPE



SCHEMATICS



MICRO TEE PART NUMBER

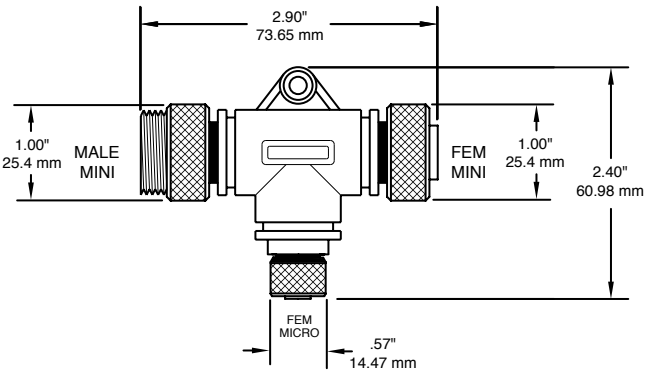
DDM / MFF5



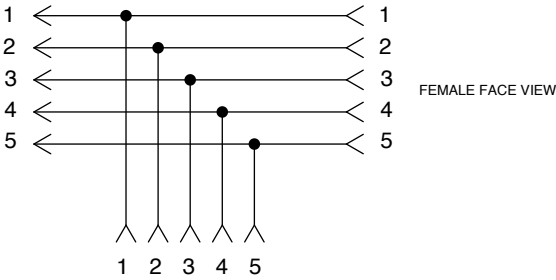
DEVICENET™ BUS DROP TEES

SPECIFICATIONS	
MATERIALS	
Contacts	Copper Alloy with Gold Plating
Housing	PVC
Couplers	Clear Anodized Aluminum
ELECTRICAL	
Voltage Rating	250 VAC/300 VDC
Current	8 amps
ENVIRONMENTAL	
Protection	IP67
Operating Temp	-20°C to 105°C

BUS DROP TEE MICRO-TYPE (M12)



SCHEMATICS



MINI TEE PART NUMBER	
DTM / MFF5	

CORD CONNECTORS

WIRE MESH GRIPS

PICO-LINK

MICRO-LINK

ETHERLINK

MINI-LINK

MULTI-PORT BOXES

BUS SYSTEM PRODUCTS



DEVICENET™ TERMINATORS

SPECIFICATIONS

MATERIALS

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

ELECTRICAL

Voltage	50V
Ampacity	Mini - 8A, Micro - 4A
Load Resistance	120 Ohm

ENVIRONMENTAL

Protection	IP68
Operating Temp	-20 to 80° C

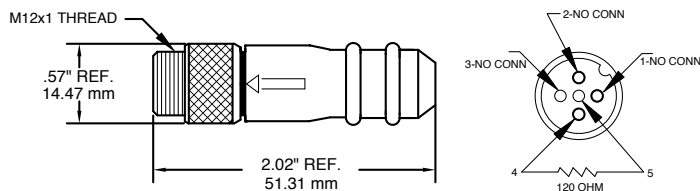
CERTIFICATIONS

Pending

OPTIONS

Stainless Steel Couplers
Non-Metallic Couplers

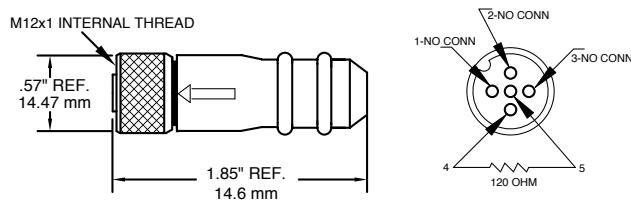
MICRO MALE TERMINATOR (M12)



MICRO-TYPE MALE PART NUMBER

B05ET

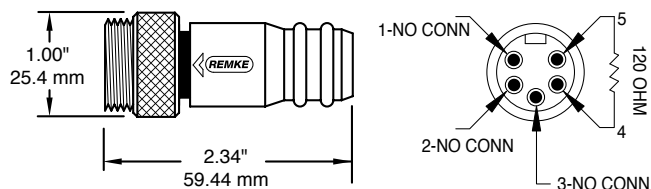
MICRO FEMALE TERMINATOR (M12)



MICRO-TYPE FEMALE PART NUMBER

B05AT

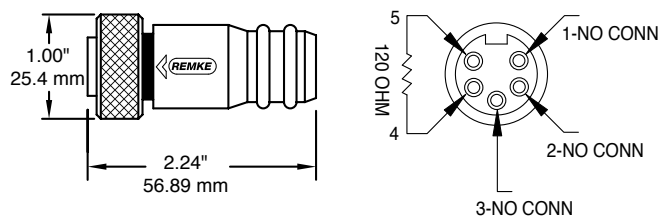
MINI MALE TERMINATOR



MINI-TYPE MALE PART NUMBER

A05ET

MINI FEMALE TERMINATOR



MINI-TYPE FEMALE PART NUMBER

A05AT



WIRING ACCESSORIES

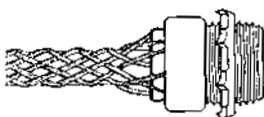
STRAIN RELIEF CORD GRIPS

Available in standard sizes (1/4" through 3"), Remke Cord Grips are produced in aluminum, nylon, steel and stainless steel to provide maximum sealing and support for cord terminations. Custom designs are available, including designs with metric threads and other special features. Inquire of your Remke Representative or Distributor.

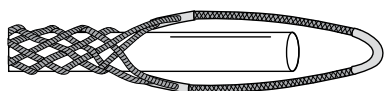
Choose from hundreds of strain relief and cable support products manufactured by Remke, such as Cord Grip, Wide Range Grips and Bus Drop Grips, illustrated below.



CORD GRIPS



WIDE RANGE GRIPS

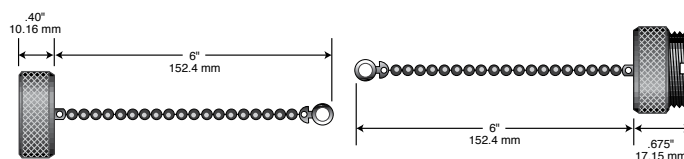


BUS DROP GRIPS

CLOSURE CAPS FOR MINI-STYLE RECEPTACLES AND PLUGS

Receptacles with External Threads

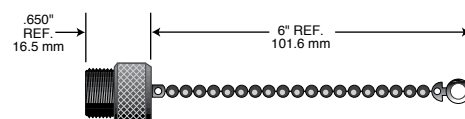
Plugs with Internal Threads



Number of Poles	Plugs	Receptacles
2, 3, 4, 5 OR 6 (A-SIZE)	75-0085	75-0086
6 (B-SIZE), 7 OR 8	75-0102	75-0103
9, 10 OR 12	75-0104	75-0105

Also available in stainless steel

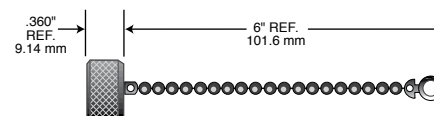
CLOSURE CAPS FOR MICRO-STYLE PLUGS AND RECEPTACLES WITH INTERNAL THREADS



Single Key (M12)	Dual Key (1/2-20)
75-0025	75-0027

Also available in stainless steel

CLOSURE CAPS FOR MICRO-STYLE PLUGS AND RECEPTACLES WITH EXTERNAL THREADS



Single Key (M12)	Dual Key (1/2-20)
75-0026	75-0028

Also available in stainless steel

CORD CONNECTORS

WIRE MESH GRIPS

PICO-LINK

MICRO-LINK

ETHERLINK

MINI-LINK

MULTI-PORT BOXES

BUS SYSTEM
PRODUCTS



TUFF-LINK™ TECHNICAL REFERENCE SECTION

RoHS STATEMENT

Remke Industries supports the European Union's efforts to remove harmful chemicals from electrical products. In compliance with Directive 2011/65/EU of the European Parliament and the Council of the European Union regarding the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS), Remke Industries certifies either:

1. The maximum concentration values of weight in homogenous materials for the substances referred to in Article 4(1) of directive 2002/95/EC that are contained in the Products do not exceed the maximum concentration values of 0.1% in respect of lead, mercury, hexavalent chromium, polybrominated biphenyls, polybrominated diphenyl ethers, and 0.01% in respect of cadmium. OR
2. The product supplied is exempt from this directive.

Remke Industries certifies that all products of our manufacture are fully compliant to the current RoHS Directive.

CABLE CROSS REFERENCE AWG TO mm²

AWG	mm ²	AWG	mm ²	AWG	mm ²
30	0.05	21	0.38	16	1.5
28	0.08	20	0.5	14	2.5
26	0.14	18	0.75	12	4
24	0.25	17	1	10	6
22	0.34			8	10

TUFF-LINK APPLICATION GUIDE

PRODUCT	CONNECTS TO	APPLICATIONS
PICO-LINK CONNECTORS	8mm Sensors, Switches, Actuators, Etc. Miniature Modular Controls Printed Circuit Boards Temperature Probes	Robotic End Arm Tooling Gear Tooth Sensing Conveyors Material Handling Equipment Packaging Equipment
MICRO-LINK CONNECTORS	M12 Sensors & Actuators Modular Controls and Solenoids 12 & 18mm Sensors & Actuators Photoelectric Switches Proximity, Pressure & Limit Switches Hydraulic & Pneumatic Valves	Conveyors Pick-N-Place Robots & Machines Assembly & Packaging Lines OEM Machines & Equipment Transfer Lines Automated Machinery
MINI-LINK CONNECTORS	12 & 18mm Sensors & Actuators Solenoids & Hydraulic Valves Fractional HP Motors Proximity, Pressure & Limit Switches Power Tools & Foot Operated Switches Controls For Cranes & Hoists	Material Handling Systems Assembly & Packaging Lines Conveyors OEM Machines & Equipment Robotics Transportation Equipment
MICRO-PORT & MINI-PORT DISTRIBUTION BOXES	8-12- Or 18mm Sensors & Actuators Proximity, Pressure & Limit Switches Solenoids & Miniature Controls	Wire Consolidation On Automated Assembly, Material Handling And Packaging Equipment Wire Consolidation In Robotics

KNOCKOUT HOLE DIMENSIONS

N.P.T. Hub Size	Knockout Hole Recommended (Min to Max/ Inches)
1/4"	.540 TO .570
3/8"	.671 TO .701
1/2"	.859 TO .906
3/4"	1.094 TO 1.141
1"	1.359 TO 1.406
1 1/4"	1.719 TO 1.766
1 1/2"	1.969 TO 2.016
2"	2.453 TO 2.500
2 1/2"	2.953 TO 3.000
3"	3.578 TO 3.625

COMPOUND RESISTANCE TABLE

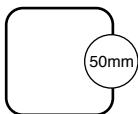
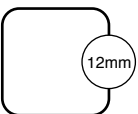
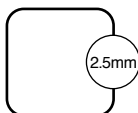
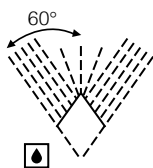
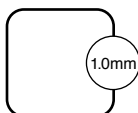
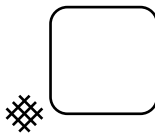
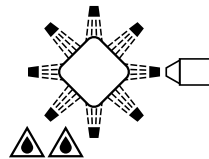
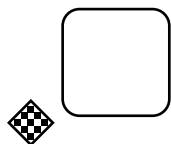
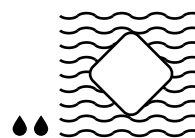
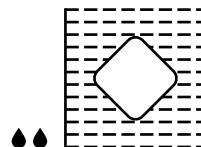
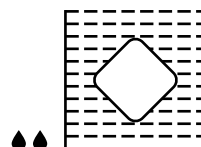
Category	PVC	PUR	Rubber	TPE
Abrasion Resistance	F-G	E	E	E
Acid Resistance	G-E	E	G	E
Alcohol Resistance	G-E	E	G	E
Alkali Resistance	G-E	E	F-	E
Benzol, Toluolol Resistance	G-E	E	F-G	E
Degreaser Solvents Resistance	P-F	G-E	P	G-E
Electrical Properties	F-G	E	G	E
Flame Resistance	G-E	G-E	P-F	E
Gasoline Resistance	P	G-E	F-G	E
Heat Resistance	G	G-E	G	G-E
Low Temp Flexibility	P-F	G	G-E	G-E
Nuclear Radiation Resistance	F	E	F-G	P
Oil Resistance	F	O	G	O
Oxidation Resistance	E	E	G	O
Ozone Resistance	E	E	G	E
Water Resistance	G-E	G-E	G-E	G
Weather, Sunlight Resistance	G-E	E	F-G	O
Weld Slag Resistance	F	G-E	O	G-E

NOTES

P=Poor, F=Fair, G=Good, E=Excellent, O=Outstanding

These ratings are based on average performances of general use compounds. Special compounding can enhance performance capabilities.

IP RATINGS DEFINITION

First Digit	Protection From Solid Objects		Second Digit	Protection From Moisture	
0	Non-Protected		0	Non-Protected	
1		Protected against solid objects over 50mm e.g hands, large tools	1		Protection against vertically falling drops of water
2		Protected against solid objects over 12mm e.g hands, large tools	2		Protection against direct sprays of water up to a 15° angle
3		Protection from entry by solid objects over 2.5mm e.g. wire or small tools	3		Protection against direct sprays of water up to a 60° angle
4		Protection from entry by solid objects over 1.0mm e.g. wires or tools	4		Protection against water sprayed from any direction. Limited ingress permitted.
5		Protection against deposits of dust e.g. against equipment damage due to deposits	5		Protection against low pressure water jets from any direction. Limited ingress permitted
6		Total protection against dust ingress e.g. Dust-Tight	6		Protection against high pressure water jets from any direction. Limited ingress permitted.
IP CODE EXAMPLE IP54 = IP (IP LETTER CODE), 5 (1st Digit), 4 (2nd Digit)			7		Protection against immersion between 15cm and 1M
			8		Protection against complete and continuous immersion in water under pressure e.g Water-Tight

CORD CONNECTORS

WIRE MESH GRIPS

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MATERIAL/APPLICATION GUIDE - CABLE JACKET MATERIAL

	COST	TYPICAL APPLICATIONS
TYPE SOOW & SJOOOW RUBBER Excellent resistance to oils, acids, chemicals, water, ozone, Extreme temperatures, cuts, tears & abrasion. Flame retardant & highly flexible. Indoor/outdoor rated. Sunlight resistant.	Moderate to High	Extra hard usage on industrial equipment, heavy tools, motors, welding with hot substrates like weld spatter, machinery mining applications, and where solvents, oil and coolants exist.
PVC (POLYVINYLCHLORIDE) Excellent flame, heat, oxidation and moisture resistance. Good performance in a wide range of temperatures. Good resistance to tearing & abrasions and resists some cutting fluids.	Low	General assembly applications, general industrial machinery, controls & control instrumentation. Other applications include general wiring, and outdoors. Not suited for high-flex applications.
PUR (POLYURETHANE) Excellent resistance to oils, solvents, greases, oxidation, ozone. Excellent cut-through, tear, and abrasion performance. Resistant to many industrial fluids. Poor resistance to steam, high temperatures and acids. Long flex life.	Moderate	High abuse areas including metal cutting and machining. High-flex applications including robotics. Good in cold temperature & freezer applications. Good in applications with mechanical abuse, vibration and impact.
TPE (THERMOPLASTIC ELASTOMER) Excellent ozone, chemical, oil and water resistance. Rated for constant flexing. Highly flexible and resistant to flame, weld slag, broad range of chemicals & corrosive cutting fluids. Excellent abrasion resistance, wide range of operating temperatures, good weatherability.	Moderate	General use in harsh environments. Ideal in automotive plants – welding robots, machining and general use. Mobile equipment or machines. High-flex applications like end of arm tooling, grippers, robots and other automated equipment.
SILICONE Excellent high temperature resistance. Temperature range -65 to +260 degrees C.	Moderate to High	Food processing, packaging, refrigeration, furnaces, foundries, glass manufacturing, steel mills & other high temperature processes.

MATERIAL/APPLICATION GUIDE - COUPLING NUT MATERIAL

	STANDARD OR OPTIONAL	TYPICAL APPLICATIONS
ANODIZED ALUMINUM Stronger & more durable than regular aluminum with increased corrosion resistance and surface hardness. Highly resistant to scratches & wear. Resists moisture and salt spray. Durable and equipment, pulp and paper. easy to maintain - cleans easily.	Standard	Good to use in applications where durability is critical including food manufacturing & prep equipment, automotive production, general manufacturing, marine industry, medical & dental equipment, pulp and paper.
STAINLESS STEEL Rated to IP68 and can withstand 1200 PSI applications with water, detergents & surfactants. Corrosion resistant, retains strength at high temperatures, easy cleaning, attractive appearance, excellent impact resistance, high resistance to shock at low & high temperatures. Provides the longest protection against freezing and rusting.	Optional	Excellent for wash down environments and food industry applications or any place caustic materials are used. Ideal for use in hospitals, dairies, automotive, conveyors, chemical & petrochemical plants, oil & gas offshore and onshore, power generation.
NICKEL PLATED BRASS Superior protection against corrosion. Provides enhanced appearance and superior conductivity. More economical than stainless steel. Resistant to salt water, weak acids and alkalis, alcohol, esters, ketones, ether, gasoline, mineral oil, animal and vegetable oil.	Standard	Ideally suited for washdown environments in food processing plants at ASTM salt spray tests indicate corrosion resistance with similar properties of stainless steel. Also suited for wastewater treatment facilities, offshore & marine industry.
PEEK POLYMERS High performance thermoplastic with melting temperature of 649°F. Exceptional strength. Excellent resistance to wide range of chemical environments even at higher temperatures. Insoluble in most common solvents. Can be used in steam or high water pressure. Resistant to oil, fire and smoke.	Optional	Well suited for use in automotive and transport machinery, food & beverage equipment and parts, industrial and chemical processing equipment, medical & healthcare devices, military & defense equipment, oil and gas machinery, deep drilling components textile machinery.

CROSS REFERENCES



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MICRO-LINK SINGLE KEY FIELD WIREABLE CONNECTOR CROSS REFERENCE

Remke	Crouse-Hinds	Hirschmann	Lumberg	Murr	Turck	Molex/Brad
304AFW7	500018-91	933139-100	RKC 4/7	27600	B8141-0	8A4000-31
304AFW9	N/A	933169-100	RKC 4/9	27601	N/A	8A4000-32
304CFW7	N/A	933172-100	RKCW 4/7	27610	B8241-0	8A4001-31
304CFW9	N/A	993174-100	RKCW 4/9	27611	N/A	N/A
304EFW7	500018-93	933098-100	RSC 4/7	27605	BS8141-0	8A4006-31
304EFW9	N/A	933162-100	RSC 4/9	27606	N/A	8A4006-32
304FFW7	N/A	933165-100	RSCW 4/7	27615	BS8241-0	8A4007-31
304FFW9	N/A	933166-100	RSCW 4/9	27616	N/A	N/A
305AFW7	N/A	933170-100	RKC 5/7	27620	N/A	8A5000-31
305AFW9	N/A	933171-100	RKC 5/9	27621	B8151-0	8A5000-32
305CFW7	N/A	933175-100	RKCW 5/7	27630	N/A	8A5001-31
305CFW9	N/A	933176-100	RKCW 5/9	27631	B8251-0	N/A
305EFW7	N/A	933163-100	RSC 5/7	27625	N/A	8A5006-31
305EFW9	N/A	933164-100	RSC 5/9	27626	BS8151-0	8A5006-32
305FFW7	N/A	933167-100	RSCW 5/7	27635	N/A	8A5007-31
305FFW9	N/A	933168-100	RSCW 5/9	27636	BS8251-0	N/A



BANNER CROSS REFERENCE

Banner No.	Remke No.
MBCC-312	103A0120F
MBCC-412	104A0120F
MBCC-512	105A0120F*
MQDC-315	303A0164J
MQDC-415	304A0164J
MQDC-515	NO EQUAL
MQDC1-515	305A0164J
MQAC-315	203A0150T
MQAC-415	204A0150T
*Banner Pos. #3 = Yellow, Remke Pos. #3 = Gray	

TUFF-SEAL
CROSS REFERENCE

TUFF-LINK
CROSS REFERENCE

MINI-LINK OLD / NEW
PART NUMBERS

ALPHA NUMERIC
INDEX



M12 ETHERLINK CROSS REFERENCE

REMKE	Belden	Crouse-Hinds	Mencom	Molex/Brad	Murrelektronik	Phoenix Contact	Turck
E04A0066BA5	N/A	EC4G1WE020M	MDE45P-4FP-2M	N/A	N/A	N/A	RKCD 440-2M
E04A0131BA5	N/A	EC4G1WE040M	MDE45P-4FP-4M	N/A	N/A	N/A	RKCD 440-4M
E04A0131BA5S9	N/A	EC4G1BE040M	MDE45PB-4FP-4M	N/A	7000-14641-7930400	NBC-4,0-93E/FSD SCO	RKSDV 440-4M
E04A0164BA5	N/A	EC4G1WE050M	MDE45P-4FP-5M	N/A	N/A	N/A	RKCD 440-5M
E04A0164BA5S9	N/A	EC4G1BE050M	MDE45PB-4FP-5M	N/A	7000-14641-7930500	NBC-5,0-93E/FSD SCO	RKSDV 440-5M
E04C0066BA5	N/A	EC4J1WE020M	N/A	N/A	N/A	N/A	WKCD 440-2M
E04C0131BA5	N/A	EC4J1WE040M	N/A	N/A	N/A	N/A	WKCD 440-4M
E04C0164BA5	N/A	EC4J1WE050M	N/A	N/A	N/A	N/A	WKCD 440-5M
E04E0066BA5	0985 806 120/2M	EC4F1WE020M	MDE45PB-4MP-2M	E10A00603M020	N/A	N/A	RSCD 440-2M
E04E0066BA5S9	0985 706 120/2M	EC4F1BE020M	MDE45PB-4MSP-2M	E10A00615M020	7000-14541-7930200	NBC-MSD/2,0-93E SCO	RSSD 441-2M
E04E0131BA5	0985 806 120/4M	EC4F1WE040M	MDE45PB-4MP-4M	E10A00603M040	N/A	N/A	RSCD 440-4M
E04E0131BA5S9	0985 706 120/4M	EC4F1BE040M	MDE45PB-4MSP-4M	E10A00615M040	7000-14541-7930400	NBC-MSD/4,0-93E SCO	RSSD 441-4M
E04E0164BA5	0985 806 120/5M	EC4F1WE050M	MDE45PB-4MP-5M	E10A00603M050	N/A	N/A	RSCD 440-5M
E04E0164BA5S9	0985 706 120/5M	EC4F1BE050M	MDE45PB-4MSP-5M	E10A00615M050	7000-14541-7930500	NBC-MSD/5,0-93E SCO	RSSD 441-5M
E04F0066BA5	N/A	EC4H1WE020M	N/A	E10A00703M020	7000-14561-7930200	N/A	WSCD 440-2M
E04F0131BA5	N/A	EC4H1WE040M	N/A	E10A00703M040	7000-14561-7930400	N/A	WSCD 440-4M
E04F0164BA5	N/A	EC4H1WE050M	N/A	E10A00703M050	7000-14561-7930500	N/A	WSCD 440-5M
E04K0066BA5	0985 806 102/2M	EC4K1WE020M	MDE45P-4MFP-2M	E11B03003M002	N/A	N/A	RSCD RKCD 440-2M
E04K0066BA5S9	0985 706 102/2M	EC4K1BE020M	MDE45WB-4MFP-2M	E11B03015M002	N/A	NBC-MSD/2,0-93E/FSD SCO	RSSD RKSD 441-2M
E04K0131BA5	0985 806 102/4M	EC4K1WE040M	MDE45P-4MFP-4M	E11B03003M004	N/A	N/A	RSCD RKCD 440-4M
E04K0131BA5S9	0985 706 102/4M	EC4K1BE040M	MDE45WB-4MFP-4M	E11B03015M004	N/A	NBC-MSD/4,0-93E/FSD SCO	RSSD RKSD 441-4M
E04K0164BA5	0985 806 102/5M	EC4K1WE050M	MDE45P-4MFP-5M	E11B03003M005	N/A	N/A	RSCD RKCD 440-5M
E04K0164BA5S9	0985 706 102/5M	EC4K1BE050M	MDE45WB-4MFP-5M	E11B03015M005	N/A	NBC-MSD/5,0-93E/FSD SCO	RSSD RKSD 441-5M
E04KM0066BA5	0985 806 100/2M	EC4M1WE020M	MDE45P-4MMP-2M	E11A06003M020	N/A	N/A	RSCD RSCD 440-2M
E04KM0066BA5S9	0985 706 100/2M	EC4M1BE020M	MDE45WB-4MMP-2M	E11A06010M020	7000-44511-7910200	NBC-MSD/2,0-93E/MSD SCO	RSSD RSSD 440-2M
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E04KM0131BA5S9	0985 706 100/4M	EC4M1BE040M	MDE45WB-4MMP-4M	E11A06010M040	7000-44511-7910400	NBC-MSD/4,0-93E/MSD SCO	RSSD RSSD 440-4M
E04KM0164BA5	0985 806 100/5M	EC4M1WE050M	MDE45P-4MMP-5M	E11A06003M050	N/A	N/A	RSCD RSCD 440-5M
E04KM0164BA5S9	0985 706 100/5M	EC4M1BE050M	MDE45WB-4MMP-5M	E11A06010M050	7000-44511-7910500	NBC-MSD/5,0-93EMFSD SCO	RSSD RSSD 440-5M
E04R0010P24	N/A	N/A	MDE45-4MR-4-E45	N/A	N/A	N/A	N/A
E04S0010P24	N/A	N/A	MDE45-4FR-4-E45	N/A	N/A	N/A	N/A



MINI-LINK OLD TO NEW PART NUMBER CROSS REFERENCE

TUFF-SEAL
CROSS REFERENCE

TUFF-LINK
CROSS REFERENCE

MINI-LINK OLD / NEW
PART NUMBERS

ALPHA NUMERIC
INDEX

Old Remke Number	New Remke Number
50701	102A0030A
50701	102Q0010M
50702	102V0010M
50705	102P0010M
50706	102U0010M
50707	102B0030A
50708	102B0060A
50709	102B0120A
50711	102A0060A
50712	102A0120A
50725	102G0060A
50730	102G0120A
50743	102G0200A
50748	102A0200A
50752	102B0200A
50783	102G0030A
50798	102QF0010M
50799	102PF0010M
50901	103A0030A
50902	103A0060A
50903	103A0120A
50904	103B0030A
50905	103B0060A
50906	103B0120A
50908	103U0010M
50909	103P0010M
50910	103Q0010M
50911	103V0010M
50945	103G0200A
50946	103G0120A
50973	103G0030A
50974	103A0200A
50982	103B0200A
50991	103QF0010M
50992	103PF0010M
51018	103G0060A
51101	104U0010M
51103	104P0010M
51104	104Q0010M
51105	104V0010M
51107	104A0030A
51108	104A0060A
51109	104A0120A
51110	104B0030A
51111	104B0060A
51112	104B0120A
51115	104G0120A
51118	104G0200A
51119	104G0030A
51120	104G0060A
51134	104B0200A
51177	104A0200A

Old Remke Number	New Remke Number
51197	104QF0010M
51198	104PF0010M
51306	105A0030A
51307	105A0060A
51308	105A0120A
51310	105P0010M
51311	105U0010M
51313	105Q0010M
51314	105V0010M
51315	105B0030A
51316	105B0060A
51317	105B0120A
51319	105G0030A
51320	105G0060A
51322	105A0200A
51332	105B0200A
51343	105G0120A
51396	105QF0010M
51397	105PF0010M
52601	106BA0030A
52602	106BA0060A
52603	106BA0120A
52605	106BP0010M
52607	106BQ0010M
52608	106BB0030A
52609	106BB0060A
52610	106BB0120A
52611	106BG0060A
52627	106BB0200A
52628	106BG0120A
52660	106BG0200A
52671	106BG0030A
52685	106BA0200A
52801	107A0030A
52802	107A0060A
52803	107A0120A
52805	107P0010M
52807	107Q0010M
52808	107B0030A
52809	107B0060A
52810	107B0120A
52819	107G0060A
52820	107G0120A
52821	107A0200A
52862	107G0030A
52866	107G0200A
52872	107B0200A
53001	108A0030A
53002	108A0060A
53003	108A0120A
53005	108P0010M
53007	108Q0010M



MINI-LINK OLD TO NEW PART NUMBER CROSS REFERENCE

Old Remke Number	New Remke Number
53008	108B0030A
53009	108B0060A
53010	108B0120A
53015	108G0060A
53056	108G0030A
53062	108A0200A
53066	108B0200A
53067	108G0120A
53073	108G0200A
57001	109A0030A
57002	109A0060A
57003	109A0120A
57005	109P0010M
57007	109Q0010M
57008	109B0030A
57009	109B0060A
57010	109B0120A
57025	109G0200A
57029	109G0030A
57043	109A0200A
57051	109G0060A
57052	109G0120A
57057	109B0200A
57201	110A0030A
57202	110A0060A
57203	110A0120A
57205	110P0010M
57207	110Q0010M
57208	110B0030A
57209	110B0060A
57210	110B0120A
57212	110G0200A
57224	110G0060A
57235	110B0200A
57239	110A0200A
57250	110G0120A
57253	110G0030A
57401	112A0030A
57402	112A0060A
57403	112A0120A
57405	112P0010M
57407	112Q0010M
57408	112B0030A
57409	112B0060A
57410	112B0120A
57413	112G0060A
57424	112G0200A
57425	112B0200A
57446	112G0120A
57449	112A0200A
57479	112G0030A
50701-90	102C0030A

Old Remke Number	New Remke Number
50711-90	102C0060A
50712-90	102C0120A
50748-90	102C0200A
50901-90	103C0030A
50902-90	103C0060A
50903-90	103C0120A
50974-90	103C0200A
51107-90	104C0030A
51108-90	104C0060A
51109-90	104C0120A
51177-90	104C0200A
51306-90	105C0030A
51307-90	105C0060A
51308-90	105C0120A
51322-90	105C0200A
52601-90	106BC0030A
52602-90	106BC0060A
52603-90	106BC0120A
52685-90	106BC0200A
52801-90	107C0030A
52802-90	107C0060A
52803-90	107C0120A
52821-90	107C0200A
53001-90	108C0030A
53002-90	108C0060A
53003-90	108C0120A
53062-90	108C0200A
57001-90	109C0030A
57002-90	109C0060A
57003-90	109C0120A
57043-90	109C0200A
57201-90	110C0030A
57202-90	110C0060A
57203-90	110C0120A
57239-90	110C0200A
57401-90	112C0030A
57402-90	112C0060A
57403-90	112C0120A
57449-90	112C0200A



NEW MOLEX/BRAD NUMBER (PLASTIC MINI-STYLE) CROSS REFERENCE

Molex/Brad Part No.	Remke Part No.
102000A01F030	102A0030AP
102000A01F060	102A0060AP
102000A01F120	102A0120AP
102000A01F200	102A0200AP
102001A01F030	102C0030AP
102001A01F060	102C0060AP
102001A01F120	102C0120AP
102001A01F200	102C0200AP
102002A01F030	102B0030AP
102002A01F060	102B0060AP
102002A01F120	102B0120AP
102002A01F200	102B0200AP
102003A01F030	102D0030AP
102003A01F060	102D0060AP
102003A01F120	102D0120AP
102003A01F200	102D0200AP
103000A01F030	103A0030AP
103000A01F060	103A0060AP
103000A01F120	103A0120AP
103000A01F200	103A0200AP
103001A01F030	103C0030AP
103001A01F060	103C0060AP
103001A01F120	103C0120AP
103001A01F200	103C0200AP
103002A01F030	103B0030AP
103002A01F060	103B0060AP
103002A01F120	103B0120AP
103002A01F200	103B0200AP
103003A01F030	103D0030AP
103003A01F060	103D0060AP
103003A01F120	103D0120AP
103003A01F200	103D0200AP
104000A01F030	104A0030AP
104000A01F060	104A0060AP
104000A01F120	104A0120AP
104000A01F200	104A0200AP
104001A01F030	104C0030AP
104001A01F060	104C0060AP
104001A01F120	104C0120AP
104001A01F200	104C0200AP
104002A01F030	104B0030AP
104002A01F060	104B0060AP
104002A01F120	104B0120AP
104002A01F200	104B0200AP
104003A01F030	104D0030AP
104003A01F060	104D0060AP
104003A01F120	104D0120AP
115020A01F120	105G0120AP
115020A01F200	105G0200AP
116020A01F030	106G0030AP
116020A01F060	106G0060AP

Molex/Brad Part No.	Remke Part No.
116020A01F120	106G0120AP
116020A01F200	106G0200AP
1R2004A20A120	50701
1R2005A20A120	50702
1R2006A20A120	50705
1R2007A20A120	50706
1R2G04A20A120	50798
1R2G06A20A120	50799
1R3004A20A120	50910
1R3005A20A120	50911
1R3006A20A120	50909
1R3007A20A120	50908
1R3G04A20A120	50991
1R3G06A20A120	50992
1R4004A20A120	51104
1R4005A20A120	51105
1R4006A20A120	51103
1R4007A20A120	51101
1R4G04A20A120	51197
1R4G06A20A120	51198
1R5004A20A120	51313
1R5005A20A120	51314
1R5006A20A120	51310
1R5007A20A120	51311
1R5G04A20A120	51396
1R5G06A20A120	51397
1R6004A20A120	51607
1R6005A20A120	51606
1R6006A20A120	51605
1R6007A20A120	51604
1R6G04A20A120	51697
1R6G06A20A120	51698
206000A01F030	52601
206000A01F060	52602
206000A01F120	52603
206000A01F200	52685
206001A01F030	52601-90
206001A01F060	52602-90
206001A01F120	52603-90
206001A01F200	52685-90
206002A01F030	52608
206002A01F060	52609
206002A01F120	52610
301001A01F030	57201-90
301001A01F060	55702-90
301001A01F120	57203-90
301001A01F200	57239-90
301002A01F030	57208
301002A01F060	57209
301002A01F120	57210
301002A01F200	57235

Molex/Brad Part No.	Remke Part No.
302000A01F030	57401
302000A01F060	57402
302000A01F120	57403
302000A01F200	57449
302001A01F030	57401-90
302001A01F060	57402-90
302001A01F120	57403-90
302001A01F200	57449-90
302002A01F030	57408
302002A01F060	57409
302002A01F120	57410
302002A01F200	57425
309000A01F030	57001
309000A01F060	57002
309000A01F120	57003
309000A01F200	57043
309001A01F030	57001-90
309001A01F060	57002-90
309001A01F120	57003-90
309001A01F200	57043-90
309002A01F030	57008
309002A01F060	57009
309002A01F120	57010
309002A01F200	57057
331020A01F030	57253
331020A01F060	57224
331020A01F120	57250
331020A01F200	57212
332020A01F030	57479
332020A01F060	57413
332020A01F120	57446
332020A01F200	57424
339020A01F030	57029
339020A01F060	57051
339020A01F120	57052
339020A01F200	57025
3R1004A20A120	57207
3R1006A20A120	57205
3R2004A20A120	57407
3R2006A20A120	57405



MINI-PORT AND MICRO-PORT CROSS REFERENCE

REMKE	Crouse-Hinds	Hirschmann	Lumberg	Mencom	Murr	Turck	Molex/Brad
3400001	MP4FA000	N/A	ZVS 4-30	N/A	N/A	4 RKF 30-B1161	409P401
3400002	MP6FA000	N/A	ZVS 6-30	N/A	N/A	N/A	409P601
3400003	MP8FA000	N/A	ZVS 8-30	N/A	N/A	N/A	409P801
3400004	N/A	N/A	N/A	N/A	N/A	4 RKF 30-5M	409P406-16
3400005	N/A	N/A	N/A	N/A	N/A	4 RKF 30-10M	409P406-33
3400006	N/A	N/A	N/A	N/A	N/A	6 RKF 30-5M	409P606-16
3400007	N/A	N/A	N/A	N/A	N/A	6 RKF 30-10M	409P606-33
3400008	N/A	N/A	N/A	N/A	N/A	8 RKF 30-5M	409P806-16
3400009	N/A	N/A	N/A	N/A	N/A	8 RKF 30-10M	409P806-33
3400010	MM4FC05M	TBD	ASB 4/LED5/4-12/5M	MDC-SB-4/4-5M	27858	VB 40-P7X5-5	BTY401P-FBP-05
3400012	MM4FC10M	TBD	ASB 4/LED5/4-12/10M	MDC-SB-4/4-10M	27859	VB 40-P7X5-10	BTY401P-FBP-10
3400014	N/A	TBD	ASBS 4/LED 5/4	N/A	27760	N/A	BTY401P-FBC
3400016	MM6FC05M	TBD	ASB 6/LED5/4-13/5M	MDC-SB-6/4-5M	27862	VB 60-P7X7-5	N/A
3400018	MM6FC10M	TBD	ASB 6/LED5/4-13/10M	MDC-SB-6/4-10M	27863	VB 60-P7X7-10	N/A
3400020	N/A	TBD	ASBS 6/LED 5/4	N/A	27761	VB 60-P7X7-CS 12	N/A
3400022	MM8FC05M	TBD	ASB 8/LED5/4-14/5M	MDC-SB-8/4-5M	27866	VB 80-P7X9-5	BTY801P-FBP-05
3400024	MM8FC10M	TBD	ASB 8/LED5/4-14/10M	MDC-SB-8/4-10M	27867	VB 80-P7X9-10	BTY801P-FBP-10
3400026	N/A	TBD	ASBS 8/LED 5/4	N/A	27762	VB 80-P7X9-CS 12	BTY801P-FBC
3400031	N/A	N/A	ZV 4 3U-38/5M	N/A	N/A	VBKB 40-5	N/A
3400032	N/A	N/A	ZV 4 3U-38/10M	N/A	N/A	VBKB 40-10	N/A
3400033	N/A	N/A	ZV 6 3U-37/5M	N/A	N/A	VBKB 60-5	N/A
3400034	N/A	N/A	ZV 6 3U-37/10M	N/A	N/A	VBKB 60-10	N/A
3400035	N/A	N/A	ZV 8 3U-30/5M	N/A	N/A	VBKB 80-5	N/A
3400036	N/A	N/A	ZV 8 3U-30/10M	N/A	N/A	VBKB 80-10	N/A
3400040	N/A	N/A	N/A	N/A	N/A	N/A	702P401
3400041	N/A	N/A	N/A	N/A	N/A	N/A	702P601
3400042	N/A	N/A	N/A	N/A	N/A	N/A	702P801
3400043	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3400044	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3400045	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3400046	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3400047	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3400048	N/A	N/A	N/A	N/A	N/A	N/A	N/A

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NOTES

[illegible]



NOTES

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.



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CONNECTING POSSIBILITIES

KEY OPERATING PRINCIPLES

SAFETY

We operate a work environment that is clean, organized and well run.

CONTINUOUS IMPROVEMENT

We continually look for innovative ways of operating our business.

CUSTOMER EXPECTATIONS

We aim to understand each customer's unique expectations, to ensure that we can meet them and to deliver on our commitments.

GREAT PLACE TO WORK

We are committed to being a friendly place to work that provides opportunities for career advancement, recognizes individual achievements, and everyone is made to feel part of the team.

GROWTH AND PROFITABILITY

We are committed to consistent annual growth in revenue and profitability.

OUR QUALITY POLICY

We aim to exceed our customer expectations 100% of the time.

STRATEGY – HOW WE BUILD CUSTOMER LOYALTY

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