

TUFF-LINK™

MICRO-LINK™ PRODUCT FAMILY

Micro-Link™ Interconnects, Cable Assemblies & Receptacles

Remke's family of Micro-Link (M12) Industrial Interconnects and cordsets includes

- Offering all Micro-Link connectors in four different materials – PVC, PUR, TPE and rubber – to protect against numerous environmental and temperature concerns.
- A Shielded Connector that features a 360° aluminum mylar foil shield to minimize electrical interference that tends to disrupt the signal to the control device.

Micro-Link interconnects 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.

The Micro-Link family of connectors, cable assemblies and receptacles allow fast and easy replacement of 12mm to 18mm sensors, switches and control components. These connectors also:

- Provide NEMA 6P and IP 68 protection for enhanced moisture resistance
- Feature factory molded-to-the-cable construction for durability
- Mechanically keyed to eliminate mismatching
- Available in 2-6 pole male and female plugs, straight or 90° configurations, single or dual keyway design with optional LED's and cable with or without braiding.

Another important design feature of Remke's Micro-Link Connector are the 'Ribs' - which are molded into the exterior housing to increase the grip-surface thus reducing the chance for slip-off's or the need for disconnection tools. This design feature reduces maintenance and replacement costs.



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



TUFF-LINK™

**MICRO-LINK™
ORDERING INFORMATION**

**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
C = Female 90 Degree
E = Male Straight*
F = Male 90 Degree*
K = Male/Female (STRT/STRT)*
L = Male/Female (STRT/90D)*
M = Male/Female (90D/STRT)*
N = Male/Female (90D/90D)*

P = Male Recpt. 1/2" NPT
R = Male Recpt. 1/4" NPT
S = Female Recpt. 1/4" NPT+
T = Male Recpt. M14 X 1
+ = Internal Threads
* = Male Has External Threads
Note: Other connector styles
available. Consult Factory.

Assembly Length (FT.)

1st Digit is 100 x Length
2nd Digit is 10 x Length
3rd Digit is 1 x 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

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

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

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

Note: (Euro CC) applies to single
key (M12) devices. Other cable
codes available - consult factory.

Coupling or Shell Options

1 = Stainless Steel
9 = Nickel-Plated Brass

N = Non-Metallic
Note: Leave Blank for
Std. Materials

3 0 4 A 0 0 5 0 J 1

Use this example for help when ordering.

TUFF-LINK™

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

SPECIFICATIONS

Materials

Body: PVC

O-Ring: Nitrile Rubber

Contact Carrier: Zytel ST801

Contact: Brass, Gold Plated over Nickel

Coupling Nut: Machined Aluminum, Black Anodized

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

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

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

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

Electrical

Voltage Rating: 300 VAC

Current Rating: #22 AWG-4A, #18 AWG-5A


Contact Resistance: ≤5mΩ


Environmental

Protection: IP68, NEMA 6P

Operating Temp: PVC: -20°C to 105°C

Certifications

 Recognized,
File No. E165657

 Certified,
File No. E165657

OPTIONS

#18 AWG (PVC) Plug Assemblies

Stainless Steel Couplers




Plastic Couplers

F






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

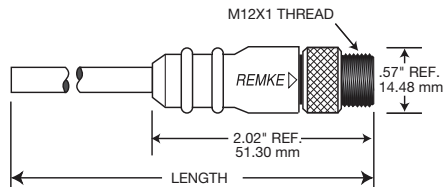
MALE PLUGS

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

DIMENSIONS

Male Straight

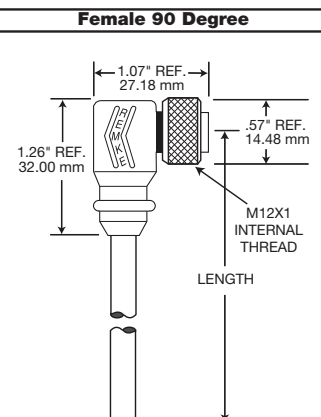
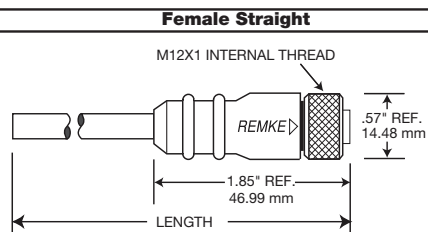
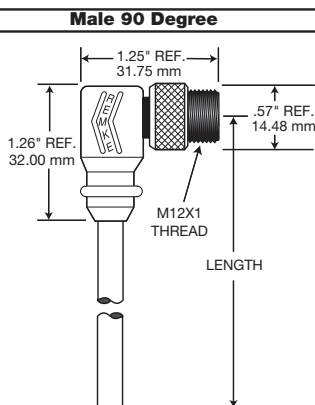


Length	Wire Gauge (AWG)	Straight Plug Non-Braided	Straight Plug Braided*	90° Plug Non-Braided	90° Plug Braided*	Mating Male Receptacle
2M/6.6 Ft.	#22 (PVC)	303A0066J	303A0066H	303C0066J	303C0066H	303P0010P
4M/13.1 Ft.	#22 (PVC)	303A0131J	303A0131H	303C0131J	303C0131H	303P0010P
5M/16.4 Ft.	#22 (PVC)	303A0164J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

*Braid not electrically connected.

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

*Braid not electrically connected.



TUFF-LINK™

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



SPECIFICATIONS

Materials

Body: PVC
O-Ring: Nitrile Rubber
Contact Carrier: Zytel ST801
Contact: Brass, Gold Plated over Nickel
Coupling Nut: Machined Aluminum, Black Anodized
Cable: #22 AWG PVC 26 x #36 Stranding, 105°C
#18 AWG PVC 41 x #34 Stranding, 105°C, UL Recognized, CSA Certified
Cable Diameters: #22 AWG PVC without braid, 3/C-.18", 4/C-.19", 5/C-.21"
#22 AWG PVC with braid, 3/C-.22", 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: 300VAC
Current: #22 AWG-4A #18 AWG-5A
Contact Resistance: ≤5mΩ

Environmental:

Protection: IP68, NEMA 6P
Operating Temp: PVC: -20°C to 105°C

Certifications

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

OPTIONS

#18 AWG (PVC) Cord Sets
Plastic Couplers
Stainless Steel Couplers
90° Style Male or Female bodies

FEMALE PLUGS

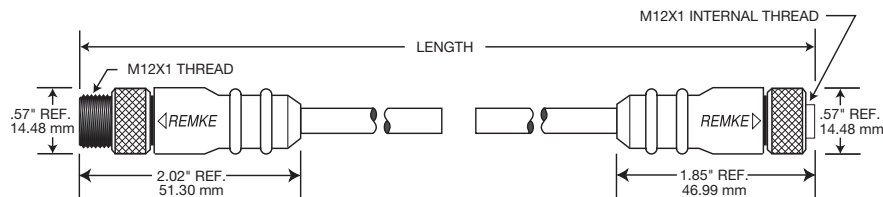
CABLE ASSEMBLY PART NUMBERS

Number of Poles	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. 4M/13.1 Ft. 5M/16.4 Ft.	# 22 (PVC) # 22 (PVC) # 22 (PVC)	303K0066J 303K0131J 303K0164J	303K0066H 303K0131H 303K0164H
4		1-Brown 2-White 3-Blue 4-Black	2M/6.6 Ft. 4M/13.1 Ft. 5M/16.4 Ft.	# 22 (PVC) # 22 (PVC) # 22 (PVC)	304K0066J 304K0131J 304K0164J	304K0066H 304K0131H 304K0164H
5		1-Brown 2-White 3-Blue 4-Black 5-Gray	2M/6.6 Ft. 4M/13.1 Ft. 5M/16.4 Ft.	# 22 (PVC) # 22 (PVC) # 22 (PVC)	305K0066J 305K0131J 305K0164J	305K0066H 305K0131H 305K0164H

*Braid not electrically connected.

F

DIMENSIONS



TUFF-LINK™

**SINGLE KEY (M12) LIGHTED
MICRO LINK™ PLUG ASSEMBLIES**

SPECIFICATIONS

Materials

Body: Nylon
O-Ring: Viton
Contact Carrier: Nylon
Contact: Brass Alloy, Gold Plated
Coupling Nut: Brass Alloy, Nickel Plated
Cable: PVC or (optional PUR)
Cable Diameters: 3/C - 4.9mm / .190 in.
4/C - 5.2mm / .200 in.

Electrical

Voltage Rating: 10 to 30 VDC
Current: 4A per contact
Contact Resistance: ≤5mΩ

Environmental

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

Certifications

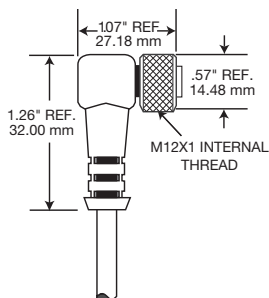
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PLUG ASSEMBLY PART NUMBERS

Number of Poles	Female Contact Rotation	Wiring Color Code	Wiring Schematic	Length	Wire Gauge (AWG)	Female 90 Degree
3		1-Brown 2-No connection 3-Blue 4-Black	(PNP-Normally Open) 	1.5M/5.0 Ft. 3.0M/9.8 Ft. 5.0M/16.4 Ft.	.34mm² .34mm² .34mm²	303CLP0050JNO 303CLP0098JNO 303CLP0164JNO
3		1-Brown 2-Black 3-Blue 4-No connection	(PNP-Normally Closed) 	1.5M/5.0 Ft. 3.0M/9.8 Ft. 5.0M/16.4 Ft.	.34mm² .34mm² .34mm²	303CLP0050JNC 303CLP0098JNC 303CLP0164JNC
4		1-Brown 2-White 3-Blue 4-Black	(PNP-Normally Open & Closed) 	1.5M/5.0 Ft. 3.0M/9.8 Ft. 5.0M/16.4 Ft.	.34mm² .34mm² .34mm²	304CLP0050JOC 304CLP0098JOC 304CLP0164JOC

DIMENSIONS



TUFF-LINK™

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




SPECIFICATIONS

Materials	
Body:	PUR
O-Ring:	Nitrile Rubber
Contact Carrier:	Zytel ST801
Contact:	Brass, Gold Plated over Nickel
Coupling Nut:	Nickel-Plated Brass
Cable:	#22 AWG TPE 26 x #36 Stranding, 105°C
Cable Shield:	Aluminum Mylar with drain wire
Cable Diameters:	#22 AWG TPE, 3/C-.21", 4/C-.23", 5/C-.25"
Electrical	
Voltage Rating:	300 VAC
Current Rating:	#22 AWG-4A
Contact Resistance:	≤5mΩ

Environmental	
Protection:	IP68, NEMA 6P
Operating Temp:	TPE: -40°C to 105°C
Certifications	
Pending	

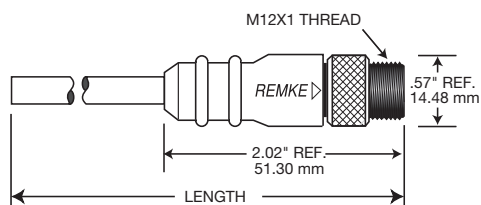


PLUG ASSEMBLY PART NUMBERS

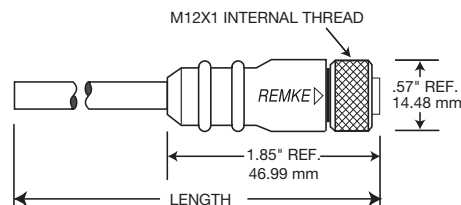
End Assembly Part Numbers								
Number of Poles	Female Contact Rotation	Wiring Color Code	Length	Wire Gauge (AWG)	Female Straight Plug	Male Mating Receptacle	Male Straight Plug	Female Mating Receptacle
3								
	1-Brown	2M/6.6 Ft.	#22 (TPE)	503A0066AB9	303P0010P9	503E0066AB9	303S0010P9	
	2-Not Used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

DIMENSIONS

Male Straight



Female Straight



TUFF-LINK™

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

SPECIFICATIONS

Materials

Body: PUR

O-Ring: Nitrile Rubber

Contact Carrier: Zytel ST801

Contact: Brass, Gold-Plated over Nickel

Coupling Nut: Nickel-Plated Brass

Cable: #22 AWG TPE 26 x #36

Stranding, 105°C

Cable Shield: Aluminum Mylar with
drain wire

Cable Diameters: #22 AWG TPE,
3/C-.21", 4/C-.23", 5/C-.25"

Electrical

Voltage Rating: 300VAC

Current: #22 AWG-4A

Contact Resistance: ≤5mΩ

Environmental

Protection: IP68, NEMA 6P

Operating Temp: TPE: -40°C to 105°C

Certifications

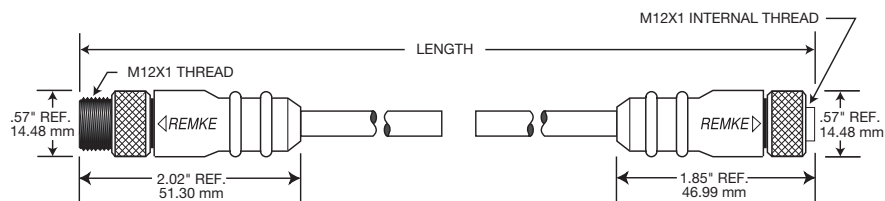
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PLUG ASSEMBLY PART NUMBERS

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

DIMENSIONS



TUFF-LINK™

SINGLE KEY (M12) MICRO-LINK™ RECEPTACLES

SPECIFICATIONS

Materials

Insert Material: Zytel ST801

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: 300VAC

Current: #22 AWG-4A, #18 AWG-5A

Contact Resistance: ≤5mΩ

Environmental

Protection: IP68, NEMA 6P

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

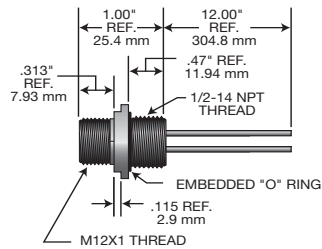
Not available on back panel mount styles



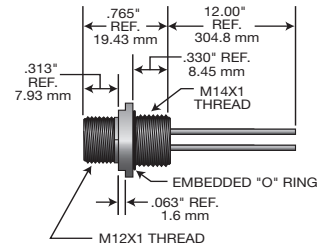
MALE

DIMENSIONS

**1/2" NPT
(Fig. A)**



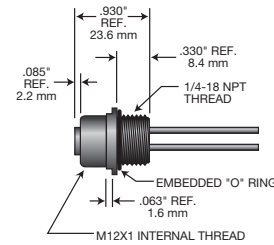
**M14 x 1
(Fig. B)**



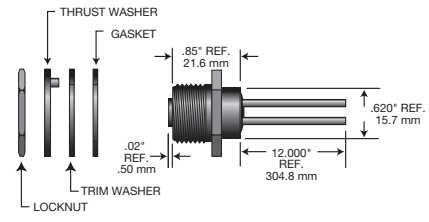
FEMALE

DIMENSIONS

**1/4" NPT
(Fig. C)**






**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

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

TUFF-LINK™

DUAL KEY PVC MICRO-LINK™ PLUG ASSEMBLIES

SPECIFICATIONS

Materials

Body: PVC

O-Ring: Nitrile Rubber

Contact Carrier: Zytel ST801

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: 300VAC

Current: #22 AWG-2 to 5 Pole-4A, 6 Pole-3A, #18 AWG-5A

Contact Resistance: ≤5mΩ

Environmental

Protection: IP68, NEMA 6P

Operating Temp: PVC: -20°C to 105°C

Certifications



Recognized,
File No. E165657



Certified,
File No. E165657

OPTIONS

#18 AWG (PVC) Plug Assemblies (2-5 pole)

Stainless Steel Couplers

Plastic Couplers

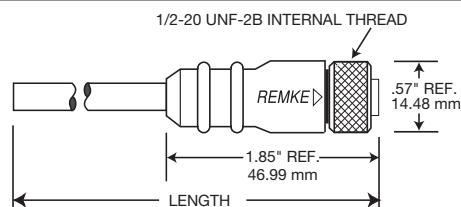


F

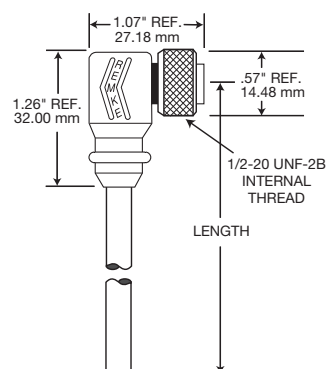
FEMALE PLUGS

DIMENSIONS

Female Straight



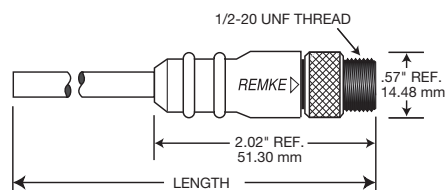
Female 90 Degree



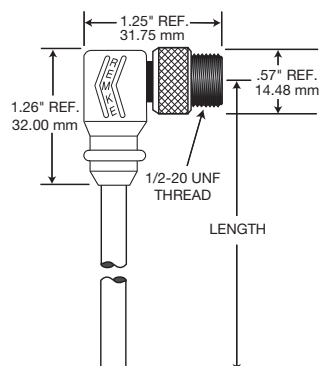
MALE PLUGS

DIMENSIONS

Male Straight








Male 90 Degree



FEMALE PLUGS






PLUG ASSEMBLY PART NUMBERS

Number of Poles	Female Contact Rotation	Wiring Color Code	Length	Wire Gauge (AWG)	Straight Plug Non-Braided	Straight Plug Braided*	90° Plug Non-Braided	90° Plug Braided*	Mating Male Receptacle
2									
		1-Brown	6 Ft/1.8M	#22 (PVC)	202A0060T	202A0060G	202C0060T	202C0060G	202P0010P
		2-Blue	12 Ft/3.6M	#22 (PVC)	202A0120T	202A0120G	202C0120T	202C0120G	202P0010P
		20 Ft/6.1M	#22 (PVC)	202A0200T	202A0200G	202C0200T	202C0200G	202P0010P	
3									
		1-Green	6 Ft/1.8M	#22 (PVC)	203A0060T	203A0060G	203C0060T	203C0060G	203P0010P
		2-Red/Black	12 Ft/3.6M	#22 (PVC)	203A0120T	203A0120G	203C0120T	203C0120G	203P0010P
		3-Red/White	20 Ft/6.1M	#22 (PVC)	203A0200T	203A0200G	203C0200T	203C0200G	203P0010P
4									
		1-Red/Black	6 Ft/1.8M	#22 (PVC)	204A0060T	204A0060G	204C0060T	204C0060G	204P0010P
		2-Red/White	12 Ft/3.6M	#22 (PVC)	204A0120T	204A0120G	204C0120T	204C0120G	204P0010P
		3-Red	20 Ft/6.1M	#22 (PVC)	204A0200T	204A0200G	204C0200T	204C0200G	204P0010P
		4-Green							
5									
		1-Red/White	6 Ft/1.8M	#22 (PVC)	205A0060T	205A0060G	205C0060T	205C0060G	205P0010P
		2-Red	12 Ft/3.6M	#22 (PVC)	205A0120T	205A0120G	205C0120T	205C0120G	205P0010P
		3-Green	20 Ft/6.1M	#22 (PVC)	205A0200T	205A0200G	205C0200T	205C0200G	205P0010P
		4-Red/Yellow							
6									
		1-Red/White	6 Ft/1.8M	#22 (PVC)	206A0060T	206A0060G	206C0060T	206C0060G	206P0010P
		2-Red	12 Ft/3.6M	#22 (PVC)	206A0120T	206A0120G	206C0120T	206C0120G	206P0010P
		3-Green	20 Ft/6.1M	#22 (PVC)	206A0200T	206A0200G	206C0200T	206C0200G	206P0010P
		4-Red/Yellow							
		5-Red/Black							
		6-Red/Blue							

*Braid not electrically connected.

MALE PLUGS

PLUG ASSEMBLY PART NUMBERS

Number of Poles	Male Contact Rotation	Wiring Color Code	Length	Wire Gauge (AWG)	Straight Plug Non-Braided	Straight Plug Braided*	90° Plug Non-Braided	90° Plug Braided*	Mating Female Receptacle
2									
		1-Brown	6 Ft/1.8M	#22 (PVC)	202E0060T	202E0060G	202F0060T	202F0060G	202S0010P
		2-Blue	12 Ft/3.6M	#22 (PVC)	202E0120T	202E0120G	202F0120T	202F0120G	202S0010P
		20 Ft/6.1M	#22 (PVC)	202E0200T	202E0200G	202F0200T	202F0200G	202S0010P	
3									
		1-Green	6 Ft/1.8M	#22 (PVC)	203E0060T	203E0060G	203F0060T	203F0060G	203S0010P
		2-Red/Black	12 Ft/3.6M	#22 (PVC)	203E0120T	203E0120G	203F0120T	203F0120G	203S0010P
		3-Red/White	20 Ft/6.1M	#22 (PVC)	203E0200T	203E0200G	203F0200T	203F0200G	203S0010P
4									
		1-Red/Black	6 Ft/1.8M	#22 (PVC)	204E0060T	204E0060G	204F0060T	204F0060G	204S0010P
		2-Red/White	12 Ft/3.6M	#22 (PVC)	204E0120T	204E0120G	204F0120T	204F0120G	204S0010P
		3-Red	20 Ft/6.1M	#22 (PVC)	204E0200T	204E0200G	204F0200T	204F0200G	204S0010P
		4-Green							
5									
		1-Red/White	6 Ft/1.8M	#22 (PVC)	205E0060T	205E0060G	205F0060T	205F0060G	205S0010P
		2-Red	12 Ft/3.6M	#22 (PVC)	205E0120T	205E0120G	205F0120T	205F0120G	205S0010P
		3-Green	20 Ft/6.1M	#22 (PVC)	205E0200T	205E0200G	205F0200T	205F0200G	205S0010P
		4-Red/Yellow							
		5-Red/Black							
6									
		1-Red/White	6 Ft/1.8M	#22 (PVC)	206E0060T	206E0060G	206F0060T	206F0060G	206S0010P
		2-Red	12 Ft/3.6M	#22 (PVC)	206E0120T	206E0120G	206F0120T	206F0120G	206S0010P
		3-Green	20 Ft/6.1M	#22 (PVC)	206E0200T	206E0200G	206F0200T	206F0200G	206S0010P
		4-Red/Yellow							
		5-Red/Black							
		6-Red/Blue							

*Braid not electrically connected.

TUFF-LINK™

DUAL KEY PVC MICRO-LINK™ CABLE ASSEMBLIES



SPECIFICATIONS

Materials

Body: PVC
O-Ring: Nitrile Rubber
Contact Carrier: Zytel ST801
Contact: Brass, Gold Plated over Nickel
Coupling Nut: Machined Aluminum, Clear Anodized
Cable: #22AWG 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 electronically connected)
#18 AWG PVC 2/C-.29", 3/C-.29", 4/C-.29", 5/C-.29"

Electrical

Voltage Rating: 300VAC
Current: #22 AWG-2 to 5 Pole
-4A, 6 Pole-3A
#18 AWG-5A

Contact Resistance: ≤5mΩ

Environmental

Protection: IP68, NEMA 6P
Operating Temp: PVC: -20°C to 105°C

Certifications

UL Recognized,
File No. E165657
cUL Certified,
File No. E165657

OPTIONS

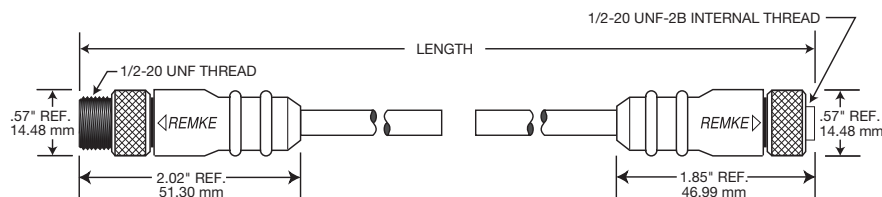
#18 AWG (PVC) Cord Sets (2-5 pole)
Stainless Steel Couplers
Plastic Couplers
90 Degree Style Male or Female Bodies

PLUG ASSEMBLY PART NUMBERS

Number of Poles	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.

DIMENSIONS



TUFF-LINK™

DUAL KEY SHIELDED TO COUPLER MICRO-LINK™ PLUG ASSEMBLIES

SPECIFICATIONS

Materials

Body: PUR
O-Ring: Nitrile Rubber
Contact Carrier: Zytel ST801
Contact: Nickel Plated Brass
Coupling Nut: Machined Aluminum,
Black Anodized
Cable: #22 AWG TPE 26 x #36
Stranding, 105°C
Cable Shield: Aluminum Mylar w/
drain wire
Cable Diameters: #18 AWG TPE
3/C-.21", 4/C-.23", 5/C-.25"

Electrical

Voltage Rating: 300 VAC
Current Rating: #18 AWG-5A
Contact Resistance: ≤5mΩ

Environmental

Protection: IP68, NEMA 6P
Operating Temp: TPE: -40°C to 105°C

Certifications

Pending



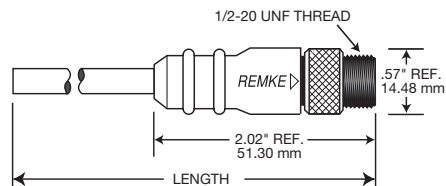
FEMALE PLUG ASSEMBLIES

PLUG ASSEMBLY PART NUMBERS

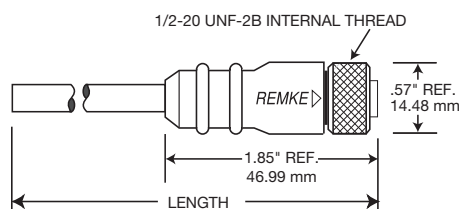
Number of Poles	Female Face View	Wiring Color Code	Length	Wire Gauge (AWG)	Female Straight Plug	Mating Male Receptacle	Male Straight Plug	Mating Female Receptacle
3		1-Green 2-Red/Black 3-Red/White	2M/6.6 Ft. 4M/13.1 Ft. 5M/16.4 Ft.	#22 (TPE) #22 (TPE) #22 (TPE)	403A0066AA9 403A0131AA9 403A0164AA9	203P0010P9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

DIMENSIONS

Male Straight



Female Straight



TUFF-LINK™

DUAL KEY SHIELDED TO COUPLER MICRO-LINK™ CABLE ASSEMBLIES

SPECIFICATIONS

Materials

Body: PUR
O-Ring: Nitrile Rubber
Contact Carrier: Zytel ST801
Contact: Brass, Gold Plated over Nickel
Coupling Nut: Nickel Plated Brass
Cable: #22 AWG TPE 26 x #36 Strand-
ing, 105°C
Cable Shield: Aluminum Mylar with drain
wire
Cable Diameters: #18 AWG TPE
3/C-.21", 4/C-.23", 5/C-.25"

Electrical

Voltage Rating: 300VAC
Current: #22 AWG-4A
Contact Resistance: ≤5mΩ

Environmental




Protection: IP68, NEMA 6P
Operating Temp: TPE: -40°C to 105°C

Certifications

Pending

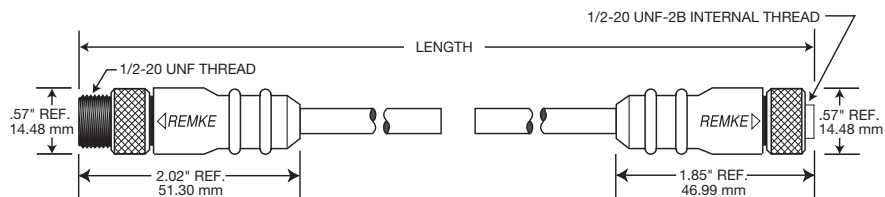


CABLE ASSEMBLY PART NUMBERS

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

F

DIMENSIONS



TUFF-LINK™

DUAL KEY MICRO-LINK™ RECEPTACLES

SPECIFICATIONS

Materials

Insert Material: Zytel ST801

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: 300 VAC

Current Rating: #22 AWG-2 to 5 Pole-4A, 6 Pole-3A /
#18 AWG-5A


Contact Resistance: ≤5mΩ


Environmental

Protection: IP68, NEMA 6P

Operating Temp: -20°C to 80°C

Certifications

 Recognized,
File No. E165657

 Certified,
File No. E165657

OPTIONS

#18 AWG (PVC) Leads

Stainless Steel Shells

(N/A on back panel mount styles)

NOTES

For use with shielded cordsets, add the suffix "9"
(ex: 202P0010P9)

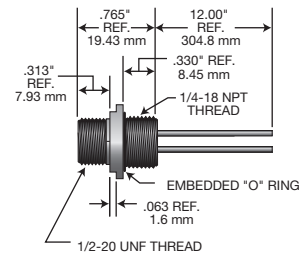
Knock-out dimensions in Tuff-Link Technical Reference Section.



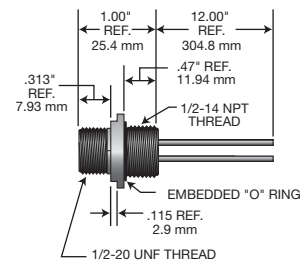
MALE

DIMENSIONS

1/4" NPT (Fig. A)



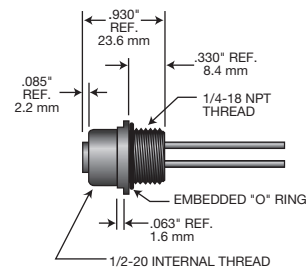
1/2" NPT (Fig. B)



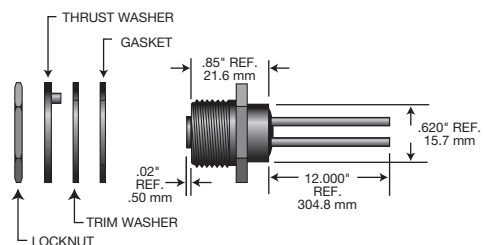
FEMALE

DIMENSIONS

1/4" NPT (Fig. C)








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

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

TUFF-LINK™

**MICRO-LINK™ SPLITTERS
 ORDERING INFORMATION**

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

TUFF-LINK™

MICRO-LINK™ SPLITTERS

SPECIFICATIONS

Materials

Body: PVC

O-Ring: Nitrile Rubber

Contact Carrier: Zytel ST801

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"

OPTIONS

#22 AWG PVC with & without braid (single key)

#22 AWG PVC with braid (dual key)

#18 AWG PVC (dual key)

Stainless steel couplers

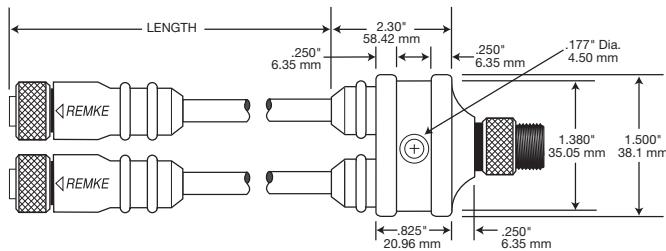


SPLITTER PART NUMBERS

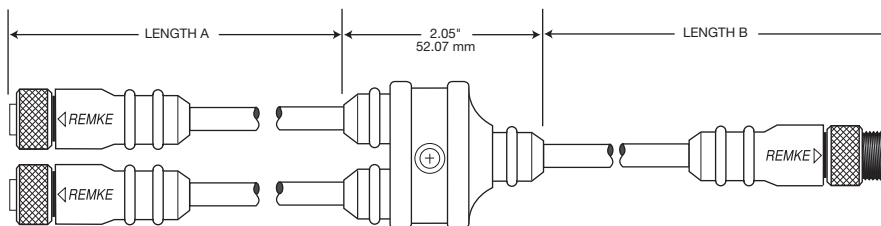
Number of Poles	Wire Gauge (AWG)	Type "A" Splitter	Type "B" Splitter
(4) Dual Key	#22 (PVC)	204ILSA0010T	204ILSB0010T
(4) Single Key (M12)	#18 (PVC)	304ILSA0010F	304ILSB0010F

DIMENSIONS

Type "A"



Type "B"

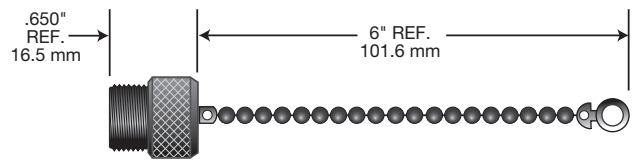


TUFF-LINK™

**MICRO-LINK™ WIRE
 MANAGEMENT ACCESSORIES**

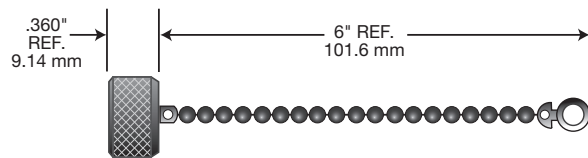


**CLOSURE CAPS FOR PLUGS AND RECEPTACLES
 WITH INTERNAL THREADS**



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

STRAIN RELIEF CORD GRIPS

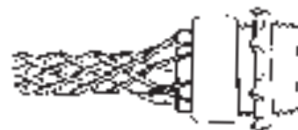
Available in standard sizes (1/4" through 3"), Remke Cord Grips are produced in aluminum, nylon, steel and stainless steel to provide maximum sealing and support for cord terminations. Custom designs are available, including designs with metric threads and other special features. Inquire of your Remke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

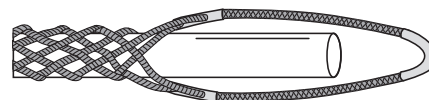
Cord Grips



Wide Range Grips



Bus Drop Grips



TUFF-LINK™

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 2002/95/EC 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.

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-G	E
Benzol, Toluol 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 Flexability	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.

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

MATERIAL/APPLICATION GUIDE - CABLE JACKET MATERIAL

	COST	TYPICAL APPLICATIONS
TYPE SOOW & SJOOW 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 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 IP 68 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 waste-water 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.