

CABLE ASSEMBLIES

Sensor-Link Nano-Mizer Molded Cord Sets from Conxall

Conxall introduces its newest series of Sensor-Link molded connector assemblies, the **Nano-Mizer**. Built to meet or exceed Industry Standards, this 8mm product offers a reduced size for small sensors and reduced packaging requirements. Standard and custom lengths are available along with a variety of modifications to meet the specific needs of our customers. A few of Nano-Mizer's standard features are:

Features

- Threaded and snap coupling combinations
- Snap coupling available with locking feature
- 3 and 4 pole insert configurations with 20 size contacts
- Single and double ended molded cable assemblies
- Straight and right angle overmolds
- Male and female panel mount receptacles

Specifications

Electrical Rating

Voltage: 125V, 4 Amps

Cable Assemblies

Coupling Nut: Nickel Plated Brass

Contacts: Copper Alloy, Gold-Plated

Insert: G.F. Nylon

Molded Heads: PVC

O-Rings: Viton

Cable: .25mm² (or approximately 22 Awg) PVC Insulated, Fine Stranded Copper Conductors, Yellow Oil Resistant PVC Jacketed 300V, ST, 105°C. UL Recognized, CSA Certified

Panel Mount Assemblies

Shells: Nickel plated brass

Contacts: Copper Alloy Gold-Plated

Inserts: G.F. Nylon

Wire: 22 AWG PVC Insulated, 300V UL Recognized, CSA Certified

Environmental

Protection: NEMA 6P, IP67 & IP68

Operating Ambient Temperature: -20° to 105°C

Certifications

UL: UL Recognized, File # E-150822

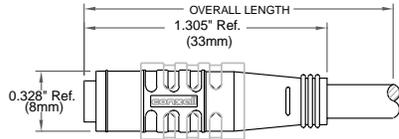
CSA: CSA Certified File # LR89277



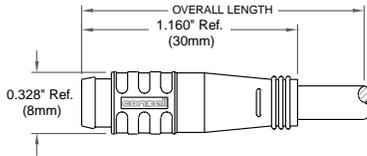
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Product Information

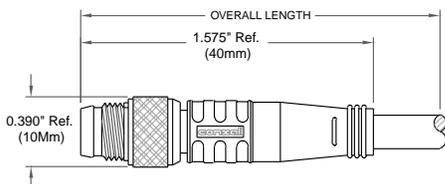
STRAIGHT FEMALE SINGLE ENDED SNAP LOCK WITH LOCKING RING



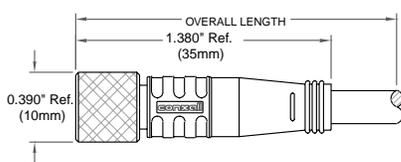
STRAIGHT MALE SINGLE ENDED SNAP LOCK



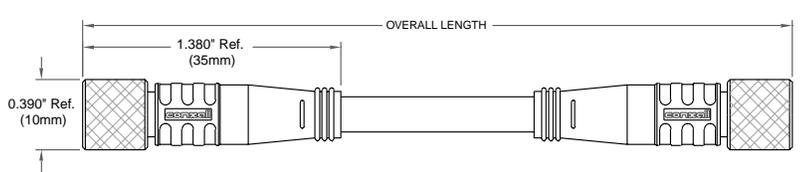
STRAIGHT MALE SINGLE ENDED THREADED COUPLING



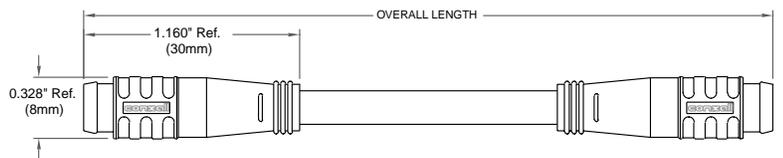
STRAIGHT FEMALE SINGLE ENDED THREADED COUPLING



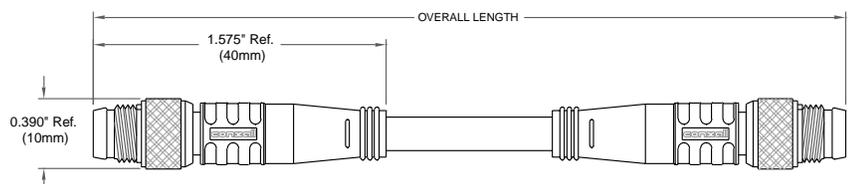
STRAIGHT FEMALE DOUBLE ENDED THREADED COUPLING



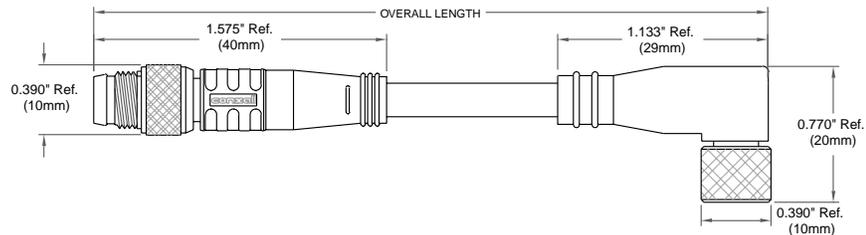
STRAIGHT MALE DOUBLE ENDED SNAP LOCK



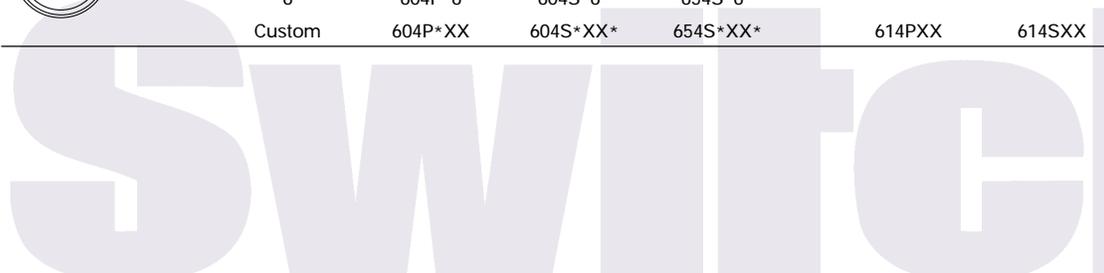
STRAIGHT MALE DOUBLE ENDED THREADED COUPLING



STRAIGHT/90° MALE/FEMALE DOUBLE ENDED THREADED COUPLING

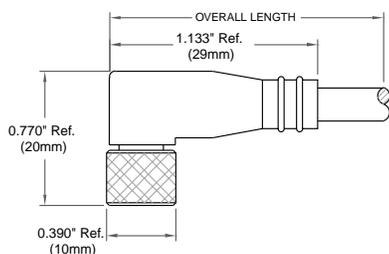


Face View Male	Rating	Overall Length Meters	Coupling Options			Receptacle Male .3 Meter Lead	Receptacle Female .3 Meter Lead
			Snap Lock Threaded	Snap Lock Threaded	Snap Lock Threaded		
			Snap Lock w/Ring	Snap Lock w/Ring	Snap Lock w/Ring		
			Straight Male Single Ended	Straight Female Single Ended	90° Rt Angle Female Single Ended		
	4 A, 125V	2	603P*2	603S*2*	653S*2*		
		5	603P*5	603S*5*	653S*5*	613P.3	613S.3
		6	603P*6	603S*6*	653S*6*		
		Custom	603P*XX	603S*XX*	653S*XX*	613PXX	613SXX
	4 A, 125V	2	604P*2	604S*2*	654S*2*		
		5	604P*5	604S*5*	654S*5*	614P.3	614S.3
		6	604P*6	604S*6*	654S*6*		
		Custom	604P*XX	604S*XX*	654S*XX*	614PXX	614SXX

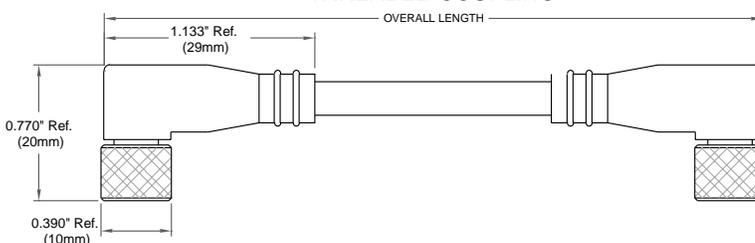


Product Information

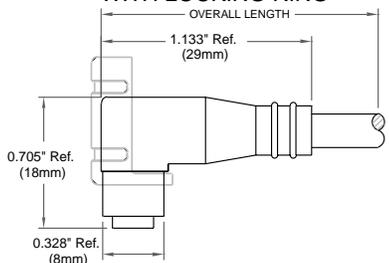
90° FEMALE SINGLE ENDED
THREADED COUPLING



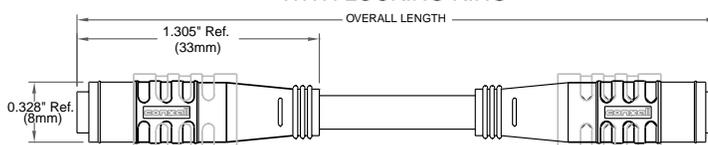
90° FEMALE DOUBLE ENDED
THREADED COUPLING



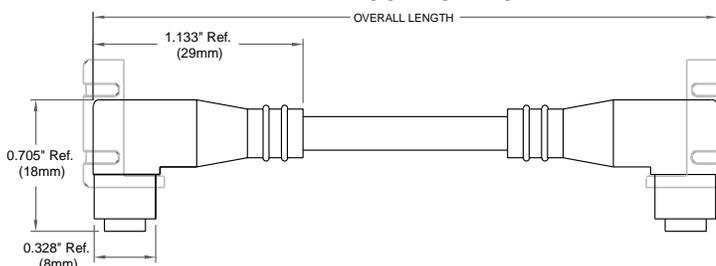
90° FEMALE SINGLE ENDED SNAP LOCK
WITH LOCKING RING



STRAIGHT FEMALE DOUBLE ENDED SNAP LOCK
WITH LOCKING RING



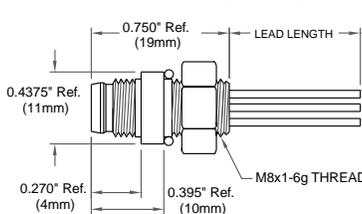
90° FEMALE DOUBLE ENDED SNAP LOCK
WITH LOCKING RING



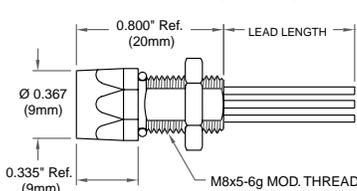
All Snap Lock Dimensions same without Locking Ring

Contact #	1	2	3	4
Color Sequence				
Cable	Brn	Blu		Blk
Conductor	Brn	Wht	Blu	Blk

MALE RECEPTACLE



FEMALE RECEPTACLE



Snap Lock	Snap Lock w/Ring	Snap Lock	Snap Lock w/Ring	Snap Lock	Snap Lock w/Ring
Threaded	Threaded	Threaded	Threaded	Threaded	Threaded
Straight Male/Male Double Ended	Straight Female/Female Double Ended	Straight Female/Male Double Ended	90° Rt Angle Female/Female Double Ended	Straight to 90° Female/Female Double Ended	Straight to 90° Male/Female Double Ended
673P3P2	673S3S*2*	673S3P*2*	663S3S*2*	683S3S*2*	683P3S*2*
673P3P5	673S3S*5*	673S3P*5*	663S3S*5*	683S3S*5*	683P3S*5*
673P3P6	673S3S*6*	673S3P*6*	663S3S*6*	683S3S*6*	683P3S*6*
673P3P*XX	673S3S*XX*	673S3P*XX*	663S3S*XX*	683S3S*XX*	683P3S*XX*
674P4P2	674S4S*2*	674S4P*2*	664S4S*2*	684S4S*2*	684P4S*2*
674P4P5	674S4S*5*	674S4P*5*	664S4S*5*	684S4S*5*	684P4S*5*
674P4P6	674S4S*6*	674S4P*6*	664S4S*6*	684S4S*6*	684P4S*6*
674P4P*XX	674S4S*XX*	674S4P*XX*	664S4S*XX*	684S4S*XX*	684P4S*XX*

Coupling Code Example:

604SS2L = Snap Lock with Locking Ring
604SS2 = Snap Lock without Locking Ring
604SI2 = Threaded

Note: XX - Indicates "overall length / lead length" in meters

Ordering Code Example:

683P3S * XX *
 L = Locking Ring
 Length in Meters
 S = Snap Lock
 T = Threaded

Future Sensor-Link Offerings - Multi-Port Junction Boxes

Mini Junction Boxes

- 8 Ports
- Port receptacles available in aluminum or stainless steel
- Machined receptacle covers available
- Available with cable, customer specified length
- With or without a 12 pole connector
- Or with a 12 pole receptacle mounted to box

Currently in Design

- Nylon receptacle shells
- 6 and 4 port boxes.
- Power indicating LED



DC Micro Junction Box

- 8 Ports
- Single key DC port receptacles available in aluminum or stainless steel
- Threaded nylon sealing covers and vinyl protective caps
- With single LED per port
- PNP or NPN
- Available with cable, customer specified length
- With or without a connector

Currently in Design

- AC single key port receptacles
- 4, 6, 10 and 12 port boxes
- Dual LED per port
- 12 pole receptacle mounted to box

