

Single-Ended Cordsets

#16 AWG yellow ST00W cable – U.S. color code

Oil-resistant PVC jacket

Low-resistance contact design with gold/palladium nickel plating

	2P	3P	4P	5P	6P
FEMALE FACE VIEW					
COLOR CODE	1- white 2- black	1- green-gnd 2- black 3- white	1- black 2- white 3- red 4- green-gnd	1- white 2- red 3- green-gnd 4- orange 5- black	1- white 2- red 3- green-gnd 4- orange 5- black 6- blue
VOLTAGE	600V AC/DC	600V AC/DC	600V AC/DC	600V AC/DC	600V AC/DC
CURRENT	13A	13A	10A	8A	8A
CONDUCTOR	#16-2	#16-3	#16-4	#16-5	#16-6

FEMALE	FIG	SINGLE-ENDED CORDSETS WITH #16 AWG ST00W CABLE 3 FEET LONG				
STRAIGHT	1	102000A01F030	103000A01F030	104000A01F030	105000A01F030	106000A01F030
90°	2	102001A01F030	103001A01F030	104001A01F030	105001A01F030	106001A01F030
MATING RECEPTACLE*	5	1R2006A20A120	1R3006A20A120	1R4006A20A120	1R5006A20A120	1R6006A20A130
MALE	FIG	SINGLE-ENDED CORDSETS WITH #16 AWG ST00W CABLE 3 FEET LONG				
STRAIGHT	3	102002A01F030	103002A01F030	104002A01F030	105002A01F030	106002A01F030
90°	4	102003A01F030	103003A01F030	104003A01F030	105003A01F030	106003A01F030
MATING RECEPTACLE*	5	1R2004A20A120	1R3004A20A120	1R4004A20A120	1R5004A20A120	1R6004A20A120

CATALOG OPTIONS

*See Page 46 for additional Mating Receptacles

Use the following chart to modify your part's specifications

102000A01F0301

CABLE LENGTH

6'	060
12'	120
15'	150
20'	200
25'	250
30'	300

COUPLING NUT

STAINLESS STEEL	ADD 1
NON-METALLIC	ADD 2

Application Guide

PRODUCT	CONNECTED TO:	APPLICATIONS
Mini-Change® Molded Cordsets	18 and 30mm proximity switches Pressure and limit switches Rectangular photoelectric sensors Solenoids Fractional HP motors	Conveyors Pneumatic/hydraulic valves Packaging and food processing equipment Material handling systems Transfer and assembly lines
Micro-Change® Molded Cordsets M12 Single Keyway 1/2" – 20 UNF Dual Keyway	12 and 18mm tubular proximity switches Tubular photoelectric sensors Modular controls Safety light curtains and floor mats Pressure switches	Pneumatic/hydraulic valves Conveyors Pick-n-place machines Transfer and assembly lines
Nano-Change® Molded Cordsets M8	8m and smaller proximity switches Miniature photoelectric and other controls Temperature probes and sensors Printed circuit boards	Robotic End-of-arm tooling Gear tooth sensing Conveyors
Quick-Change® Molded Cordsets	Up to 5HP motors Lighting Power lines	Conveyors Mixers, grinders and choppers Pumps Industrial saws
mPm® DIN 43650 Connectors	Actuators Solenoid and coils Pressure switches	Packaging equipment Diverters on conveyor lines Pneumatic and hydraulic manifolds
Multi-Port Interconnection Systems	Proximity switches Various other sensors Solenoids	Wire consolidation
Control Connectors	Press controls/run button bars Process controls	Stamping presses Automated assembly lines
Safety Plugs	Die blocks Safety fences and gates	Stamping presses Robotic welding presses
Dual Round Connectors	Press controls/run button bars Process controls	Stamping presses Automated assembly lines

Connector Catalog Number Matrix

Below is an example of a properly constructed Connector part number and how it translates to an actual part.

113020A01F2001

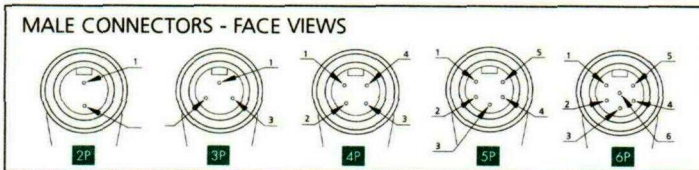
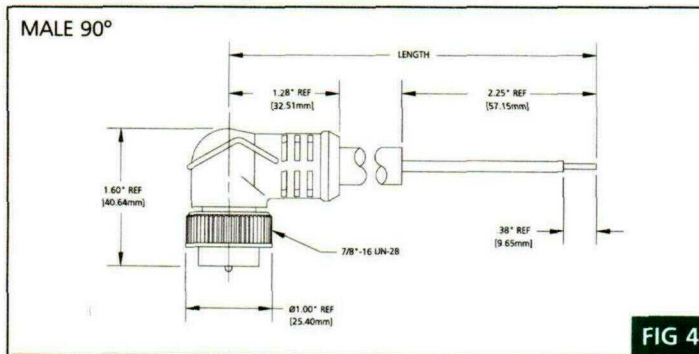
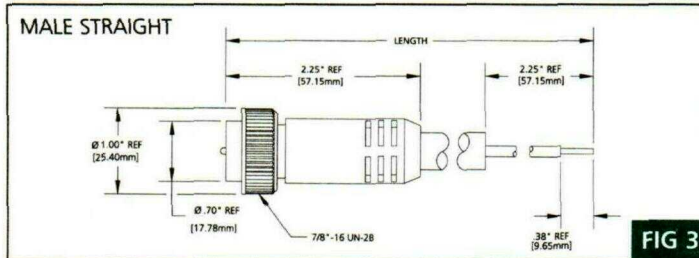
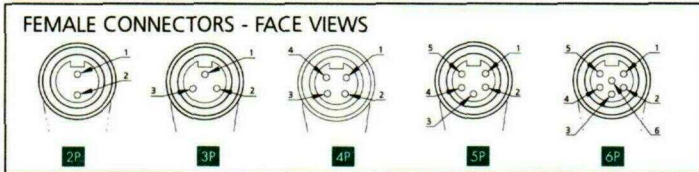
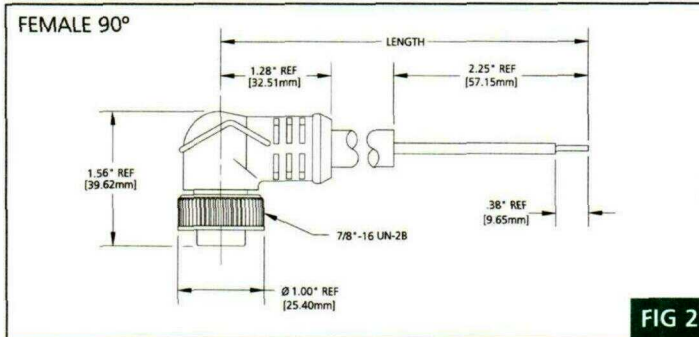
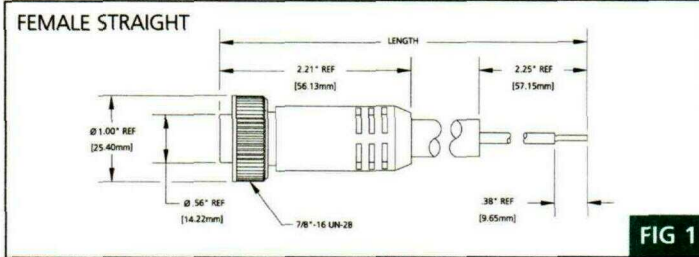
Mini-Change® 3 Pole Female Straight to Male Straight Double-Ended Cordset with 20' of 16 AWG, ST00W-A, U.S. Color Code, Stainless Steel Coupling Nut

1 1 3 0 2 0 A 0 1 F 2 0 0 1

LENGTH	
1st Digit	10 X Length
2nd Digit	1 X Length
3rd Digit	.1 X Length
UNIT OF MEASURE	
F	Feet
CABLE TYPE	
A01	16 AWG Type ST00W U.S. Color Code 2P-12P
A02	16 AWG Type ST00W AUTO Color Code 3P&5P
A03	18 AWG PVC Jacket AUTO Color Code 3P-5P
A05	18 AWG PVC Jacket IEC DC Color Code 3P&4P
A06	18 AWG PVC Jacket IEC AC Color Code 3P
A07	20 AWG PVC Jacket IEC AC Color Code 5P
B13	18 AWG PUR Coil Cord AUTO Color Code 3P&5P
C01	16 AWG Type SOO AUTO Color Code 3P-5P
K02	18 AWG TPE Jacket AUTO Color Code 3P&5P
CONNECTOR TYPE	
Single-Ended Cordset	
000	Female Straight
001	Female 90°
002	Male Straight
003	Male 90°
Double-Ended Cordset	
020	Female Straight - Male Straight
021	Female 90° - Male Straight
022	Female Straight - Male 90°
023	Female 90° - Male 90°
NUMBER OF POLES	
X	X Pole: 2 to 9 Pole
1	10 Pole C-size only
2	12 Pole C-size only
PRODUCT FAMILY (2 characters)	
1 st Character	
1	2 to 6 Pole 1" Coupler A-size
2	6 to 8 Pole 1½" Coupler B-size
3	9, 10, 12 Pole 1½" Coupler C-size
2 nd Character	
0	Single-Ended Cordset A, B & C sizes
1	Double-Ended Cordset A-size
2	Double-Ended Cordset B-size
3	Double-Ended Cordset C-size
COUPLING NUT	
Blank	Zinc Diecast, epoxy coat
1	Stainless Steel, Type 303
2	Non-Metallic Nylon 6/6 (2P - 6P, A-size only)

Specifications

CONNECTOR DIMENSIONS



MECHANICAL
 CONNECTOR FACE:
 MOLDED BODY:
 COUPLING NUT:

PVC - UL STD 94 - V0
 PVC - UL STD 94 - V0
 ZINC DIECAST W/ BLACK EPOXY
 E-COAT, OPTIONAL STAINLESS STEEL
 TYPE 303 OR NON-METALLIC GRAY
 NYLON 6/6

CABLE:
 YELLOW, #16 AWG, PVC JACKET,
 PVC CONDUCTOR INSULATION OVER
 65 X #34 COPPER STRANDING, UL
 ST00W CSA ST

CABLE DIAMETER:
 2P - .37" (9.4mm)
 3P - .41" (10.4mm)
 4P - .42" (10.7mm)
 5P - .50" (12.7mm)
 6P - .54" (13.7mm)

ELECTRICAL
VOLTAGE RATING: 600V AC/DC
AMPERAGE:
 2P - 13A
 3P - 13A
 4P - 10A
 5P - 8A
 6P - 8A

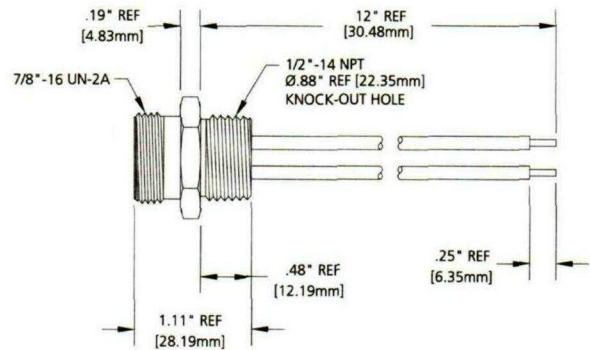
ENVIRONMENTAL
PROTECTION: IP 68 NEMA 6P
AMBIENT OPERATING TEMP: -4° TO 221° F (-20° TO 105° C)

CERTIFICATIONS
 UL: UL RECOGNIZED, FILE NO. E46237
 CSA: CSA CERTIFIED, FILE NO. LR6837

RECEPTACLE DIMENSIONS

MALE RECEPTACLE WITH 1/2" - 14NPT THREADS
FEMALE STRAIGHT WITH 1/2" - 14NPT THREADS

SEE PAGE 46 FOR
 ADDITIONAL
 RECEPTACLES



TYPICAL FACE VIEW

TYPICAL KNOCK OUT

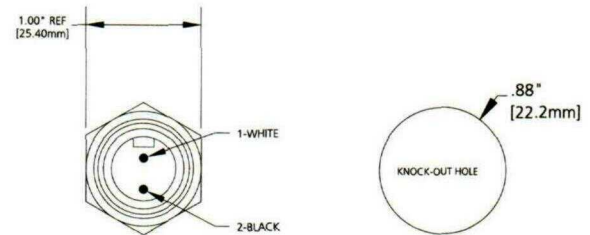


FIG 5

MALE RECEPTACLES - FACE VIEWS

