

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

Mini-Change® Cordset Family

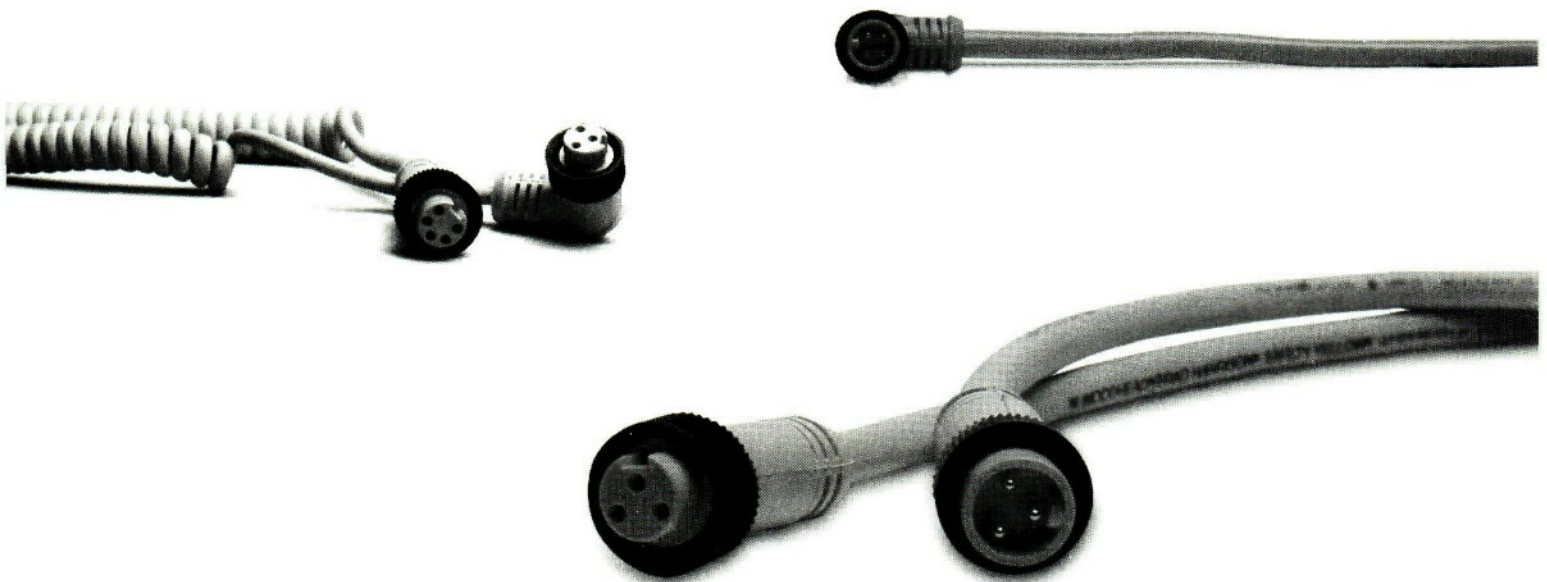
Best Selection, Best Choice.

The Brad Harrison® Mini-Change® connector family is the standard by which all other miniature connectors are measured. To understand why Mini-Change connectors are the choice, simply look at their evolution. We pioneered the market for miniature connectors, presenting the first quick-disconnect alternative to hardwiring. Today, Brad Harrison connectors continue to be the recognized leader for quality and durability in design, embodied in the widest selection of miniature connectors on the market.

To continuing to broaden our innovative line, the 19-pole connector consolidates power and control wiring in a molded, prewired, water-tight package.

Applications

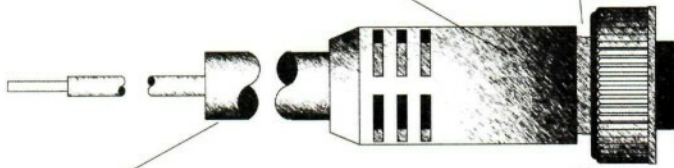
The Brad Harrison Mini-Change connector family provides connections for 12 and 18mm proximity sensors, photoelectric sensors, limit switches, and hydraulic valves commonly found in industrial applications involving conveyors, packaging equipment, material handling equipment, and automated assembly equipment.



Mini-Change® Cordsets

Polarization key indicator tells you that the connector is properly aligned – a real plus when you are in poorly lit or hard-to-reach places

Quad Beam™ design assures consistent pressure is maintained over the life of the connector, assuring consistent, highly reliable performance



Wide variety of cable options: heavy-duty (PVC), special chemical and cut resistant (PUR) or "universal" cable options that can be used in either welding or cutting fluid applications

E-coated coupling nut for resistance to weld slag and corrosion. Anti-vibration feature prevents back-out.

Gold-plated over palladium nickel alloy contacts for highest reliability

Design and Quality

The Brad Harrison® Mini-Change® connector family is designed with a variety of configurations and advanced features to meet virtually every connector requirement. Available in 2- through 19-pole configurations, straight or 90 degree connectors and receptacles, lighted or non-lighted connectors, and more. High performance Brad Harrison Mini-Change connectors feature gold over palladium/nickel plating for a longer-lasting solution. Plus, only Brad Harrison Mini-Change Connectors are designed with an epoxy coated coupling nut, providing a minimum of 500 hours of corrosion resistance – no other miniature connector comes close.

Using Brad Harrison Mini-Change connector products, wiring will never been easier, or easier to maintain. To ensure optimal connectivity and a low-resistance connection, the Quad Beam™ female contact maintains constant pressure on the male pin. To keep away moisture, their moisture resistant design and seal construction provides NEMA 6P and IP 68 protection. An anti-vibration feature prevents the coupler from loosening, even under extreme vibration. And our Mini-Change connector products continue to evolve, so there will never be a better selection or choice than the Mini-Change connectors from Brad Harrison.

Mini-Change® Connector Section Quick Finder

A SIZE
PAGES 42 - 47
2P TO 6P

SINGLE-ENDED STRAIGHT
SINGLE-ENDED 90°
DOUBLE-ENDED STRAIGHT
DOUBLE-ENDED 90°
STOOOW CABLE 16 AWG
MATING RECEPTACLE

A SIZE
PAGES 48 - 55,
58 - 59
3P TO 5P

SINGLE-ENDED STRAIGHT
SINGLE-ENDED 90°
DOUBLE-ENDED STRAIGHT
DOUBLE-ENDED 90°
STOOOW CABLE 16 AWG
MATING RECEPTACLE

A SIZE
PAGES 56 - 57,
60 - 63, 68 - 71
3P & 5P

SINGLE-ENDED STRAIGHT
SINGLE-ENDED 90°
SINGLE-ENDED 90° LED
DOUBLE-ENDED STRAIGHT
TPE CABLE 18 AWG
PUR CABLE 18 AWG
PUR COIL CORD 18 AWG
STOOOW CABLE 16 AWG
MATING RECEPTACLES

A SIZE
PAGES 64 - 67
3P TO 5P

SINGLE-ENDED STRAIGHT
SINGLE-ENDED 90°
AWM 2661 PVC CABLE
18 & 20 AWG
MATING RECEPTACLES

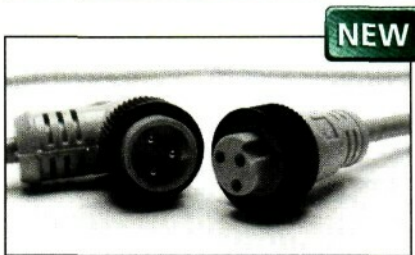
B SIZE
PAGES 72 - 77
6P TO 8P

SINGLE-ENDED STRAIGHT
SINGLE-ENDED 90°
DOUBLE-ENDED STRAIGHT
DOUBLE-ENDED 90°
STOOOW CABLE 16 AWG
MATING RECEPTACLES

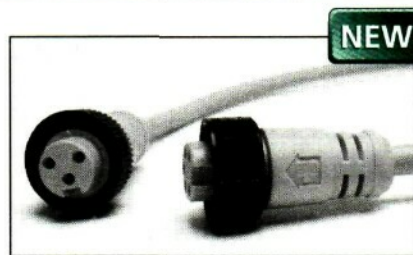
C SIZE
PAGES 78 - 85
9P, 10P, 12P & 19P

SINGLE-ENDED STRAIGHT
SINGLE-ENDED 90°
DOUBLE-ENDED STRAIGHT
DOUBLE-ENDED 90°
STOOOW CABLE 16 AWG
PUR CABLE 18/20 AWG
19P ONLY
MATING RECEPTACLES

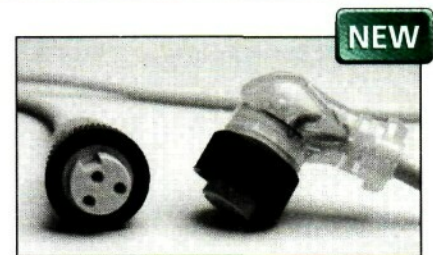
Look for these new Mini-Change® connector products



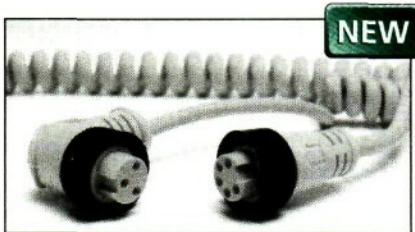
Single- & Double-Ended Cordset
Auto Color Code with #18 AWG
PVC cable, 3P to 5P



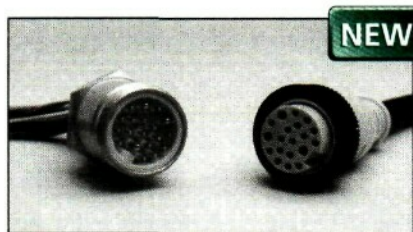
Single- & Double-Ended Cordset
#18 AWG Oil- and Weld Slag-
resistant TPE Cable, 3P and 5P



Single- & Double-Ended Cordset
LED Cordsets



Single-Ended Coil Cordsets
3P and 5P



Single- & Double-Ended Cordsets
& Receptacles, 19P



Attachable Connectors
3P & 5P

Specifications

CONNECTOR DIMENSIONS

FEMALE STRAIGHT

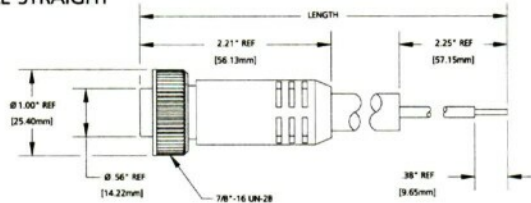


FIG 1

FEMALE 90°

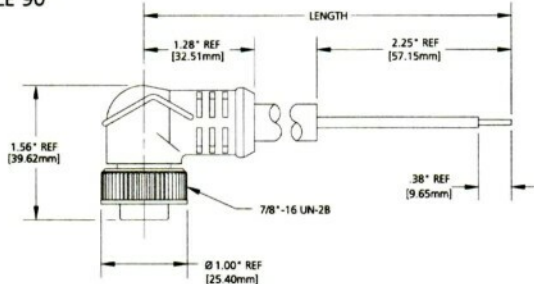
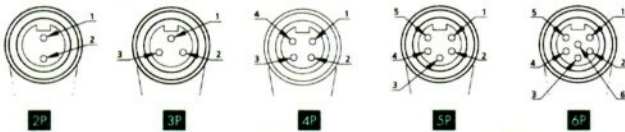


FIG 2

FEMALE CONNECTORS - FACE VIEWS



MALE STRAIGHT

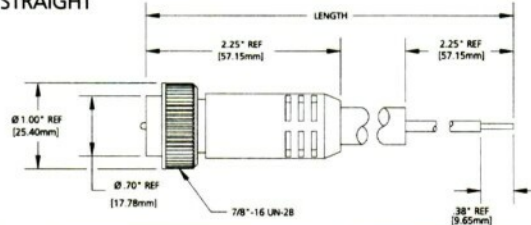


FIG 3

MALE 90°

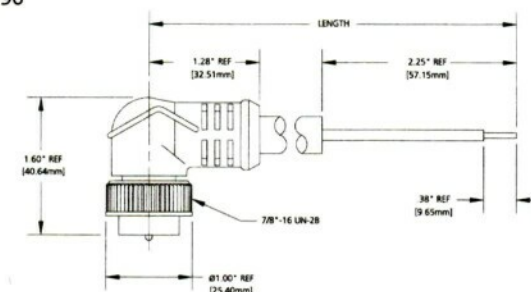
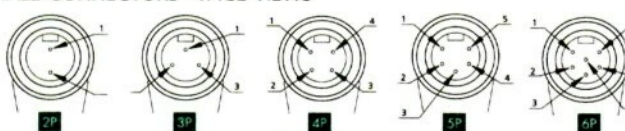


FIG 4

MALE CONNECTORS - FACE VIEWS



MECHANICAL

CONNECTOR FACE: PVC - UL STD 94 - V0
 MOLDED BODY: PVC - UL STD 94 - V0
 COUPLING NUT: 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)

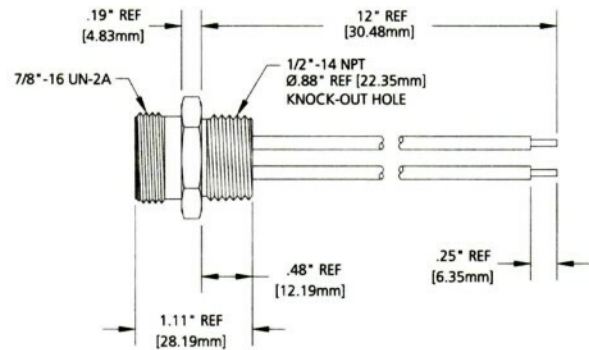
CERTIFICATIONS

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

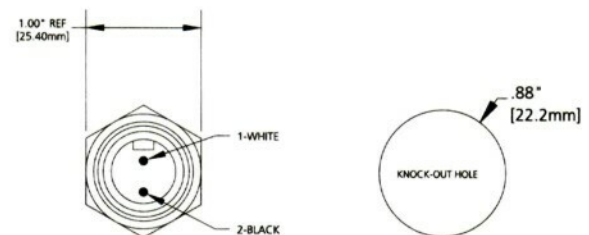


FIG 5

MALE RECEPTACLES - FACE VIEWS

