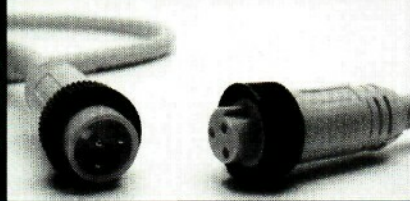


Single-Ended Cordsets

AUTOMOTIVE

#16 AWG yellow type 500 cable – auto color code
 Oil-resistant NBR rubber jacket
 Low-resistance contact design with gold/palladium nickel plating

3P to 5P



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

FEMALE	FIG	SINGLE-ENDED CORDSETS WITH #16 AWG TYPE 500 CABLE 3 FEET LONG		
STRAIGHT	1	103000C01F030	104000C01F030	105000C01F030
90°	2	103001C01F030	104001C01F030	105001C01F030
MATING RECEPTACLE*	5	1R3006A24A120	1R4006A20A120	1R5006A24A120
MALE	FIG	SINGLE-ENDED CORDSETS WITH #16 AWG TYPE 500 CABLE 3 FEET LONG		
STRAIGHT	3	103002C01F030	104002C01F030	105002C01F030
90°	4	103003C01F030	104003C01F030	105003C01F030
MATING RECEPTACLE*	5	1R3004A24A120	1R4004A20A120	1R5004A24A120

CATALOG OPTIONS

*See Pages 62 or 46 for additional Mating Receptacles

Use the following chart to modify your part's specifications

103000C01F0301

CABLE LENGTH

6'	060
12'	120
20'	200

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.

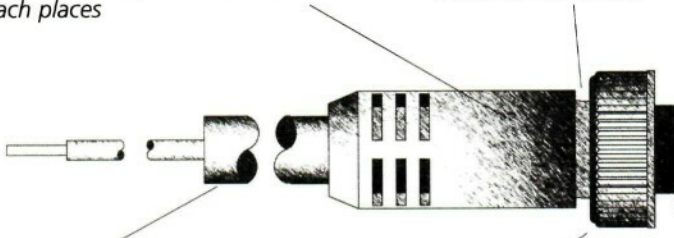
Applications

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.



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 be 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

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

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

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

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

A SIZE
PAGES 64 - 67
3P TO 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
STOOV CABLE 16 AWG
MATING RECEPTACLES

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

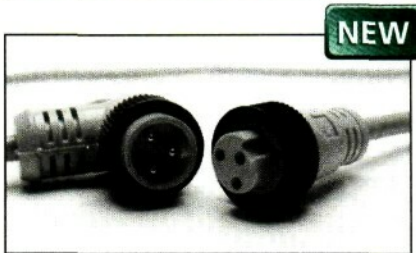
B SIZE
PAGES 72 - 77
6P TO 8P

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

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

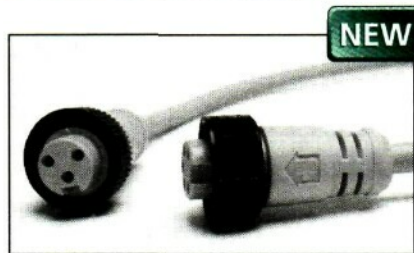
SINGLE-ENDED STRAIGHT
SINGLE-ENDED 90°
DOUBLE-ENDED STRAIGHT
DOUBLE-ENDED 90°
STOOV CABLE 16 AWG
PUR CABLE 18/20 AWG
19P ONLY
MATING RECEPTACLES

Look for these new Mini-Change® connector products



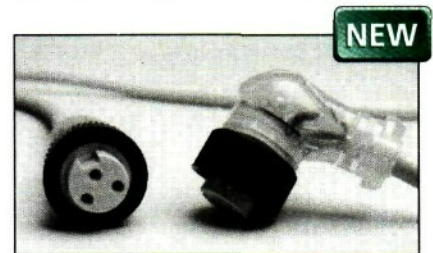
NEW

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



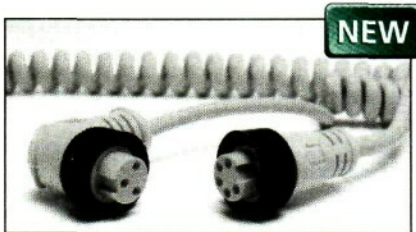
NEW

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



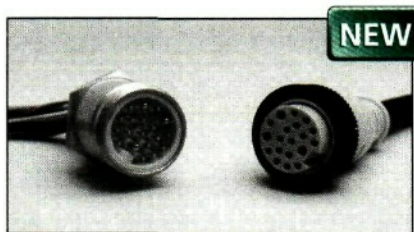
NEW

Single- & Double-Ended Cordset
LED Cordsets



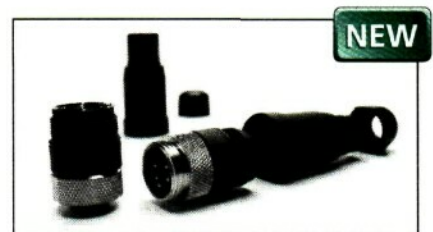
NEW

Single-Ended Coil Cordsets
3P and 5P



NEW

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

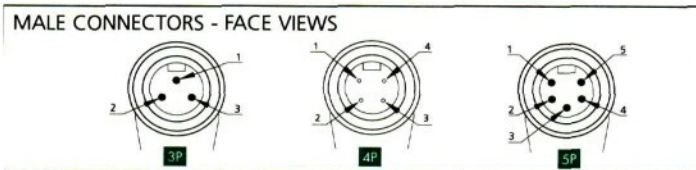
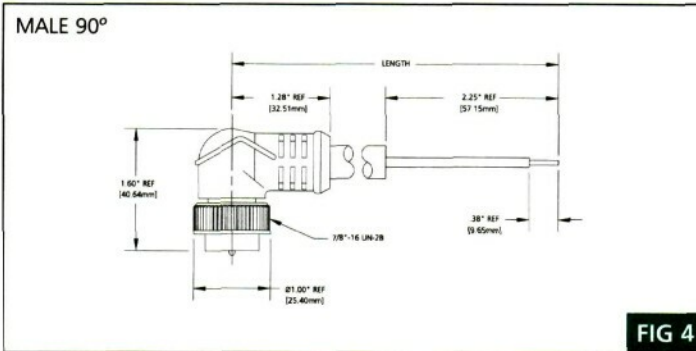
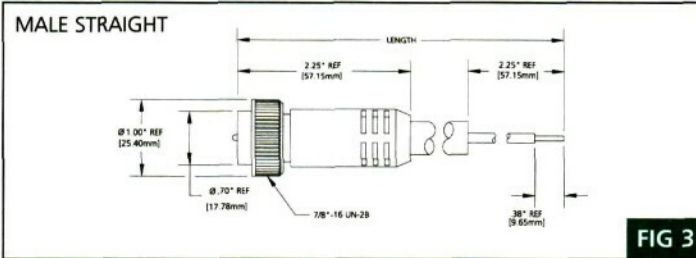
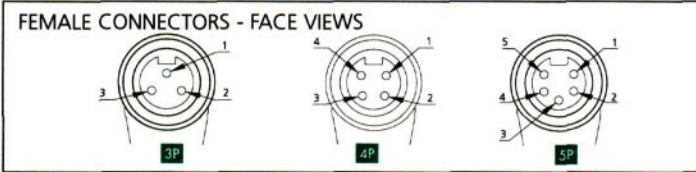
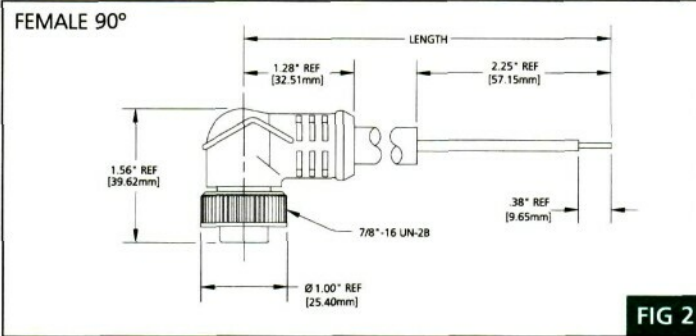
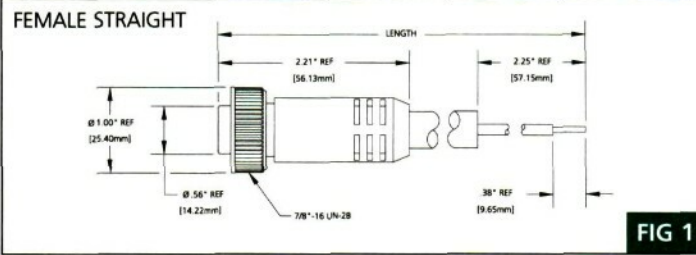


NEW

Attachable Connectors
3P & 5P

Specifications

CONNECTOR DIMENSIONS



- MECHANICAL**
 CONNECTOR FACE: PVC - UL STD 94 - V0
 MOLDED BODY: PVC - UL STD 94 - V0
 COUPLING NUT: ZINC DIECAST W/ BLACK EPOXY COAT, OPTIONAL STAINLESS STEEL TYPE 303 OR NON-METALLIC GRAY NYLON 6/6
- CABLE:** YELLOW, #16 AWG, NITRILE RUBBER/PVC JACKET, HYPALON CONDUCTOR INSULATION OVER 65 X #34 COPPER STRANDING, 600V, UL TYPE 500 CSA 50
- OUTSIDE DIAMETER:**
 3P - .42" (10.7mm)
 4P - .45" (11.4mm)
 5P - .52" (13.2mm)
- ELECTRICAL**
 VOLTAGE RATING: 600V AC/DC
 AMPERAGE:
 3P - 13A
 4P - 10A
 5P - 8A
- ENVIRONMENTAL**
 PROTECTION: IP 68, NEMA 6P
 AMBIENT OPERATING TEMP: -4° TO 194° F (-20° TO 90° C)
- CERTIFICATIONS**
 UL: UL RECOGNIZED, FILE NO. E46237
 CSA: CSA CERTIFIED, FILE NO. LR6837

RECEPTACLE DIMENSIONS

