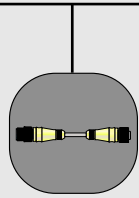


Double-Ended Cordsets

- Micro-Change® to Micro-Change Cordsets
- Micro-Change (female) to Mini-Change® Cordsets (male)

Drop line double-ended cordsets are used in a variety of network configurations. These drop line connectors are designed to connect a tee or a port on a passive drop box to an active device. Both Micro-Change (female) – Micro-Change (male) as well as Micro-Change (female) – Mini-Change (male) versions are available.



- Rugged, IP-68 rated connectors for continued connection integrity in industrial environments
- Variety of cable, cable exit, form factor, coupling nut and length options for maximum flexibility

Double-Ended Cordsets

Specifications

CONNECTOR DIMENSIONS

Female straight Micro-Change / Male straight Micro-Change

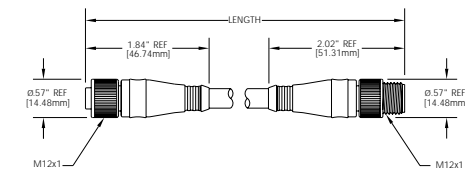


FIG 1

Female 90° Micro-Change/ Male straight Micro-Change

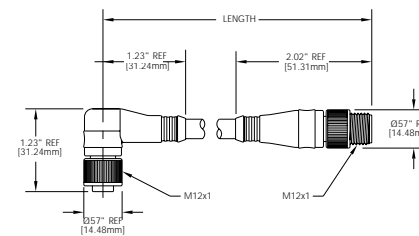


FIG 2

Female straight Micro-Change / Male 90° Micro-Change

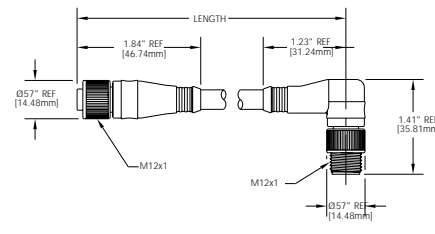


FIG 3

Female 90° Micro-Change / Male 90° Micro-Change

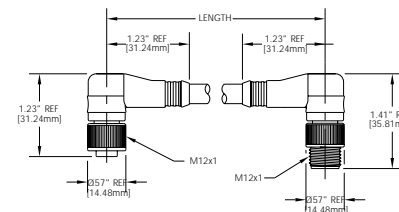


FIG 4

Female straight Micro-Change / Male straight Mini-Change

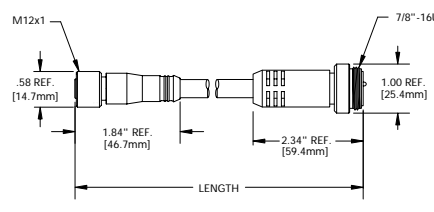


FIG 5

CONNECTOR DIMENSIONS

Female 90° Micro-Change / Male straight Mini-Change

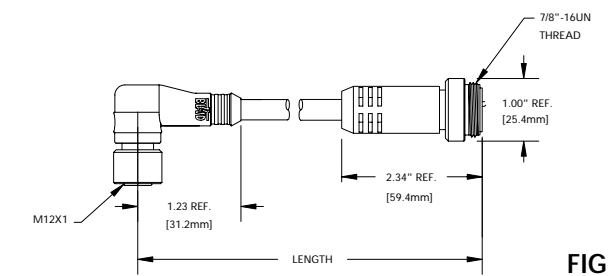


FIG 6

Female straight Micro-Change / Male 90° Mini-Change

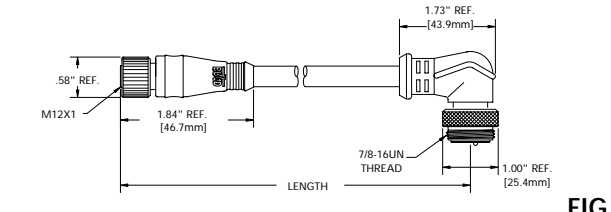


FIG 7

Female 90° Micro-Change / Male 90° Mini-Change

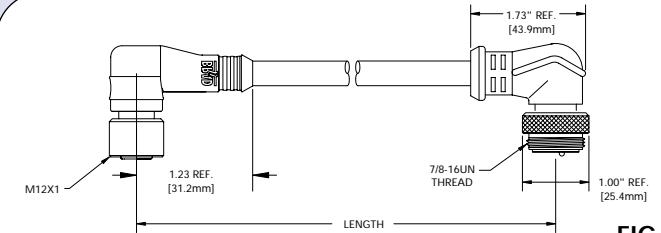
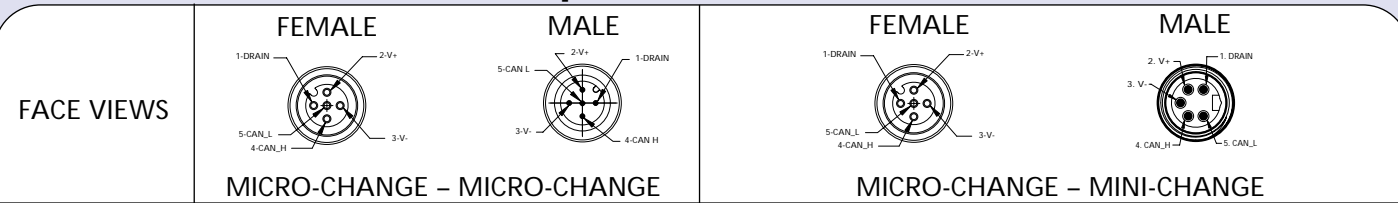


FIG 8

- MECHANICAL**
 CONNECTOR FACE: MICRO-CHANGE – NYLON 6/6
 MINI-CHANGE – PVC
 MOLDED BODY: PVC
 COUPLING NUT: ZINC DIECAST W/ BLACK EPOXY COAT, OPTIONAL STAINLESS STEEL TYPE 303 NICKEL-PLATED BRASS
- CABLE:**
 THIN – SEE PAGE 46 FOR SPECIFICATIONS
 OUTSIDE DIAMETER: THIN – 0.27" (6.9 mm)
 THIN-FLEX – 0.30" (12.2 mm)
- ELECTRICAL**
 VOLTAGE RATING: MICRO-CHANGE – 250V AC / DC
 MINI-CHANGE – 600V AC / DC
 AMPERAGE: MICRO-CHANGE – 4A
 MINI-CHANGE – 10A
- ENVIRONMENTAL**
 PROTECTION: IP68, NEMA 6P
 AMBIENT OPERATING TEMP: 4° TO 221° F (-20° TO 105° C)
- CERTIFICATIONS**
 UL: UL RECOGNIZED, FILE NO. E152210
 CSA: CSA CERTIFIED, FILE NO. LR6837

Drop Double-Ended Cordsets



FEMALE/MALE	FIG	DOUBLE-ENDED CORDSETS WITH THIN DROP CABLE 1 METER LONG	FEMALE MICRO-CHANGE/ MALE MINI-CHANGE	FIG	DOUBLE-ENDED CORDSETS WITH THIN DROP CABLE 1 METER LONG
STRAIGHT/STRAIGHT	1	DND22A-M010	STRAIGHT/STRAIGHT	5	DND21A-M010
90°/STRAIGHT	2	DND32A-M010	90°/STRAIGHT	6	DND31A-M010
STRAIGHT/90°	3	DND23A-M010	STRAIGHT/90°	7	DND29A-M010
90°/90°	4	DND33A-M010	90°/90°	8	DND39A-M010

CATALOG OPTIONS

Use the following chart to modify your part's specifications

DND **22A** - **M010**

CABLE OPTION

- DEVICENET THIN-FLEX RATED ...ADD **F**
- DEVICENET THIN ...ADD **G**
- CLASSII/TRAY RATED ...ADD **G**

COUPLING NUT

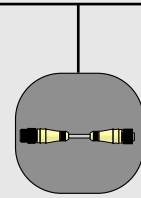
- STAINLESS STEEL ...**SS**
- NICKEL-BRASS ...**NB**

CABLE LENGTH

- 0.5 METER ...**M005**
- 2 METER ...**M020**
- 5 METER ...**M050**

Double-Ended Cordsets

- Mini-Change® (female)-to-Micro-Change® (male)



Drop line double-ended cordsets are used in a variety of applications. The Mini-Change (female) – Micro-Change (male) cordset combination is primarily used when a drop connection is made from a passive multi-port box to an imbedded Mini-Change connection.

- Rugged IP68 rated connectors for continued connection integrity in industrial environments
- Variety of cable, cable exit, form factor, coupling nut and length options for maximum system flexibility

Double-Ended Cordsets

Specifications

MECHANICAL (CONNECTOR FACE)

MICRO-CHANGE: NYLON 6/6
 MINI-CHANGE: PVC
 MOLDED BODY: PVC
 COUPLING NUT: ZINC DIECAST W/ BLACK EPOXY COAT;
 OPTIONAL STAINLESS STEEL TYPE 303 OR NICKEL-PLATED BRASS

CABLE: THIN – SEE PAGE 46 FOR CABLE SPECIFICATIONS
 THIN-FLEX – SEE PAGE 46 FOR CABLE SPECIFICATIONS

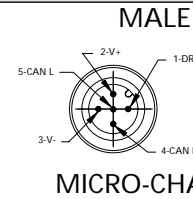
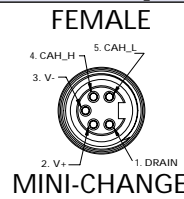
OUTSIDE DIAMETER: THIN – 0.27" (6.9 mm)
 THIN-FLEX – 0.30" (12.2 mm)

ELECTRICAL
 VOLTAGE RATING: MICRO-CHANGE – 250V AC / DC
 MINI-CHANGE – 600V AC / DC
 AMPERAGE: MICRO – 4A, MINI – 10A

ENVIRONMENTAL
 PROTECTION: IP68, NEMA 6P
 AMBIENT OPERATING TEMP: 4° TO 221° F (-20° TO 105° C)

Drop Double-Ended Cordsets

FACE VIEWS



FEMALE (MINI-CHANGE) / MALE (MICRO-CHANGE)	FIG	DOUBLE-ENDED CORDSETS WITH 1 METER LONG THIN DROP CABLE
STRAIGHT/STRAIGHT	1	DND12A-M010
STRAIGHT/90°	2	DND13A-M010
90°/STRAIGHT	3	DND92A-M010
90°/90°	4	DND93A-M010

CATALOG OPTIONS

Use the following chart to modify your part's specifications

DND-12A-M010

CABLE OPTION
 DEVICENET THIN-FLEX RATED ... ADD F
 DEVICENET THIN
 CLASSII/TRAY RATED ... ADD G

COUPLING NUT
 STAINLESS STEEL ... SS
 NICKEL-BRASS ... NB

CABLE LENGTH
 0.5 METER ... M005
 2 METER ... M020
 5 METER ... M050

CONNECTOR DIMENSIONS

Female straight Mini-Change® / Male straight Micro-Change®

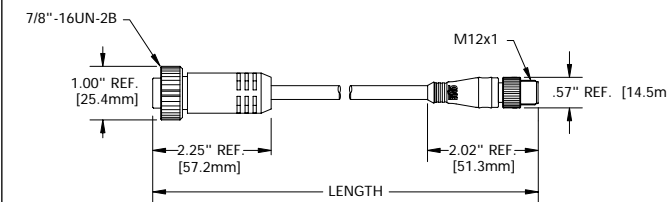


FIG 1

Female 90° Mini-Change / Male straight Micro-Change

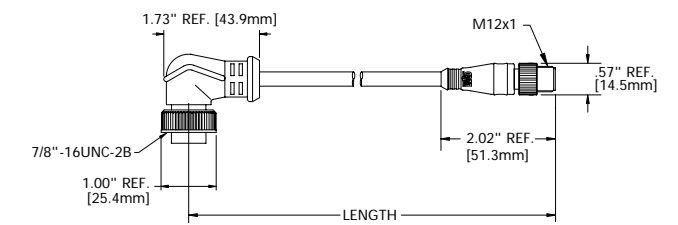


FIG 3

Female straight Mini-Change / Male 90° Micro-Change

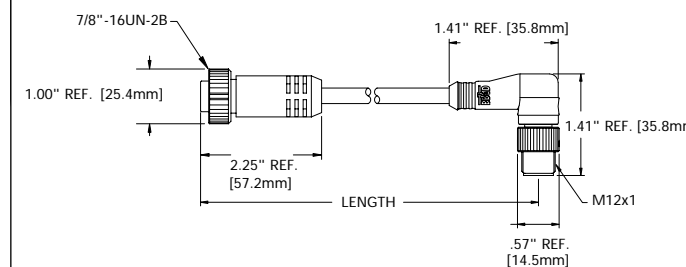


FIG 2

Female 90° Mini-Change / Male 90° Micro-Change

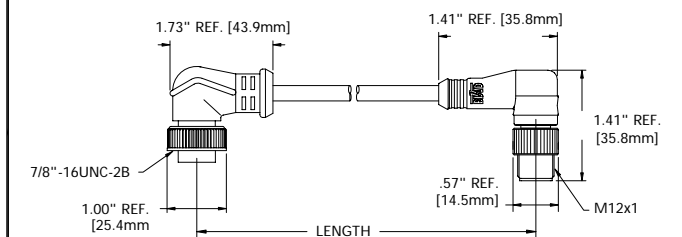


FIG 4