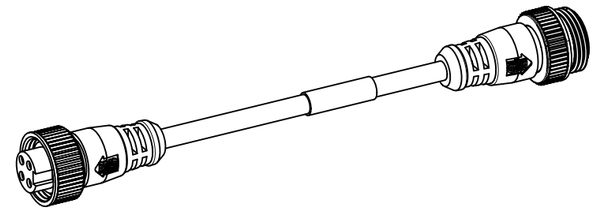
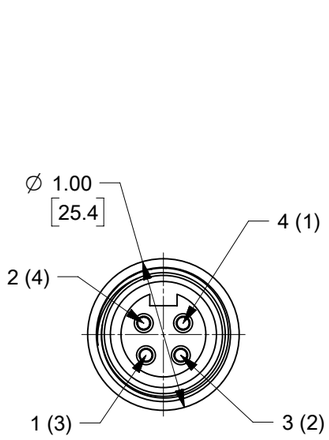
| MATERIAL NO. | ENGINEERING NO. | FINISHED LENGTH |
|---|---|---|
| 1300100851 | 114030K03M010 | 1M (3 FT 3.4 IN) |
| 1300100852 | 114030K03M020 | 2M (6 FT 6.7 IN) |
| 1300100853 | 114030K03M030 | 3M (9 FT 10.1 IN) |
| 1300100855 | 114030K03M050 | 5M (16 FT 4.9 IN) |
| 1300100860 | 114030K03M100 | 10M (32 FT 9.7 IN) |
| 1300102178 | 114030K03M150 | 15M (49 FT 2.6 IN) |
| 1300102179 | 114030K03M200 | 20M (65 FT 7.4 IN) |

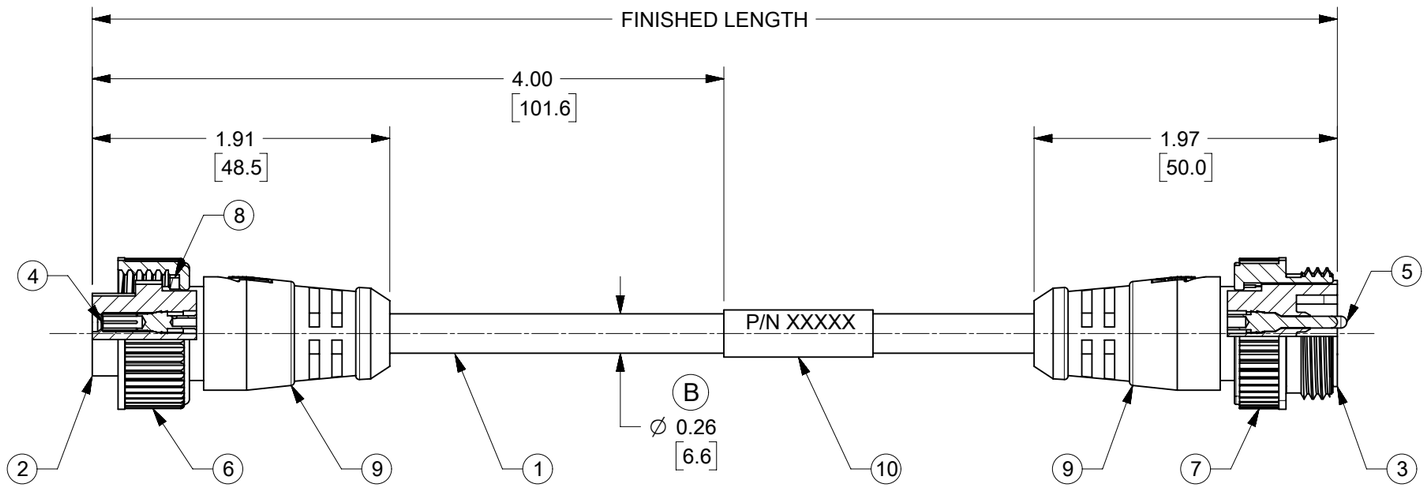
B

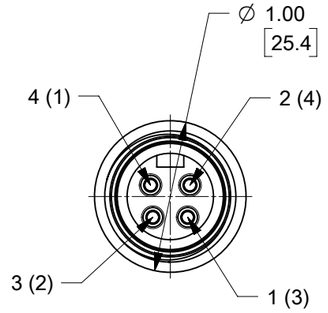
B CABLE LENGTH TOLERANCES
<.3M [1FT]: +19mm-0 [ +.75in-0]
.3 - .9M [1 - 3FT]: +44.5mm-0 [+1.75in-0]
.9 - 1.8M [3 - 6FT]: +55.6mm-0 [+2.19in-0]
1.8 - 3.7M [6 - 12FT: +88.9mm-0 [+3.50in-0]
3.7 - 7.3M [12 - 24FT]: +165.1mm-0 [+6.50in-0]
7.3-14.6M [24 - 48FT]: +317.5mm-0 [+12.50in-0]
14.6 - 30.5M [48-100FT]: +622.3mm-0 [+24.50in-0]
OVER 30M [100FT] +2% OF FINISHED LENGTH






FEMALE FACE VIEW




MALE FACE VIEW

NOTES:
1) MATERIAL: AS NOTED
2) FINISHES: AS NOTED
3) ELECTRICAL DATA:
   VOLTAGE: 300V
   CURRENT: 5.6 AMPS
   PROTECTION: IP67 (WHEN FULLY MATED)
   TEMP RANGE: -20°C TO 105°C (B)
4) COUPLING THREAD: 7/8-16 UN
5) CSA CERTIFIED FILE: LR6837 (B)
6) ALL DIMS ARE FOR REFERENCE UNLESS TOLERANCED OR OTHERWISE NOTED

| ITEM | DESCRIPTION | MATERIAL | FINISH |
|---|---|---|---|
| 10 | WRAP LABEL | VINYL | BLACK/YELLOW |
| 9 | OVERMOLD | TPE | YELLOW |
| 8 | FRICTION RING | NYLON | WHITE |
| 7 | MALE COUPLING NUT | ZINC DIE CAST | BLACK E-COAT |
| 6 | FEMALE COUPLING NUT | ZINC DIE CAST | BLACK E-COAT |
| 5 | PIN CONTACT | Cu ALLOY | GOLD OVER NICKEL |
| 4 | SOCKET CONTACT | Cu ALLOY | GOLD OVER NICKEL |
| 3 | MALE INSERT | TPE | YELLOW |
| 2 | FEMALE INSERT | TPE | YELLOW |
| 1 | CABLE, 4P, 18AWG, ITC/PLTC | TPE JACKET | YELLOW |

B

| DOCUMENT STATUS | P1 | RELEASE DATE | 2022/04/08 14:05:48 |
|---|---|---|---|

# WIRING DIAGRAM

| | |
|---|---|
| BLACK | 4 (1) |
| BLUE | 3 (2) |
| BROWN | 1 (3) |
| WHITE | 2 (4) |

CENELEC EN 50 044 PINOUT SHOWN
(SAE-J-1738A IN PARENTHESIS)

# PART NUMBER LEGEND

114030K03M010

FINISHED LENGTH :
M010 = 1.0 METERS
M100 = 10.0 METERS
M200 = 20.0 METERS

B

## MECHANICAL CHARACTERISTICS:

| | |
|---|---|
| TORSIONAL FLEX TEST | 10 MILLION CYCLES PER MIL-C-13777G |
| BEND FLEX TEST | 10 MILLION CYCLES PER MIL-C-13777G |
| WELD SLAG RESISTANCE | WOODHEAD STANDARD S-300 |

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

FUNCTIONAL SYMBOLS
FA = 0
FC = 0
FF = 0
DIVISIONAL SYMBOLS

DIMENSION UNITS: INCH/MM
SCALE: 1:1

GENERAL TOLERANCES (UNLESS SPECIFIED)
ANGULAR TOL ± 0.5°
4 PLACES ±
3 PLACES ±
2 PLACES ±
1 PLACE ±
0 PLACES ±
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: UPDATED MATERIAL TABLE, TOL. TABLE & TEMP RATING,ADDED ITEM 8,CABLE DIA., MECH. CHARACTERISTICS & CSA.

EC NO: 701162
DRWN: AKABADI 2021/09/16
CHK'D: RSTONE 2022/03/30
APPR: BWOODMAN 2022/04/08

INITIAL REVISION:
DRWN: CCHRASTKA 2019/06/20
APPR: BWOODMAN 2019/08/14

molex

MINI-CHANGE CORDSET, A SIZE
4 POLE, FEMALE/MALE, STRAIGHT, SINGLE KEY, 18 AWG TPE HI-FLEX

PRODUCT CUSTOMER DRAWING

| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
|---|---|---|---|
| 1300102178 | PSD | 000 | B |

| THIRD ANGLE PROJECTION | DRAWING | SERIES | MATERIAL NUMBER | CUSTOMER | SHEET NUMBER |
|---|---|---|---|---|---|
| | B-SIZE | 130010 | SEE TABLE | GENERAL MARKET | 1 OF 1 |

FORMAT: master-tb-prod-B
REVISION: J1
DATE: 2021/05/01