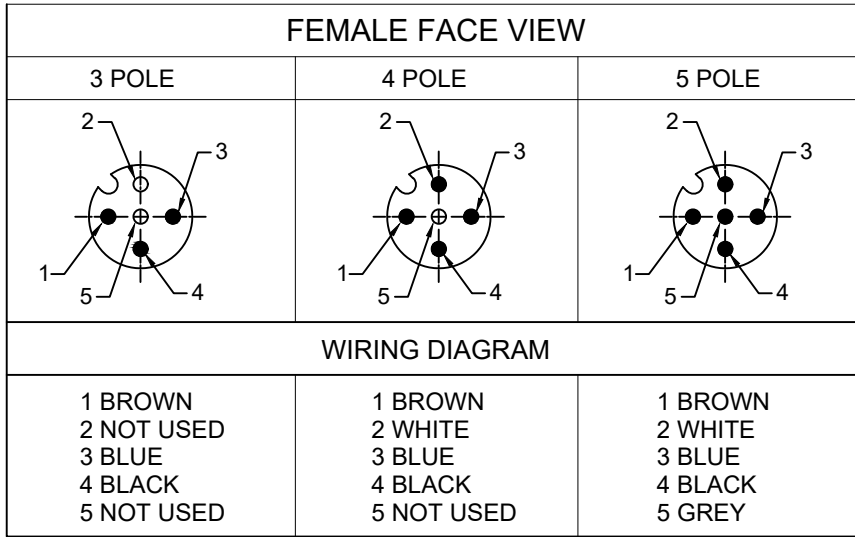
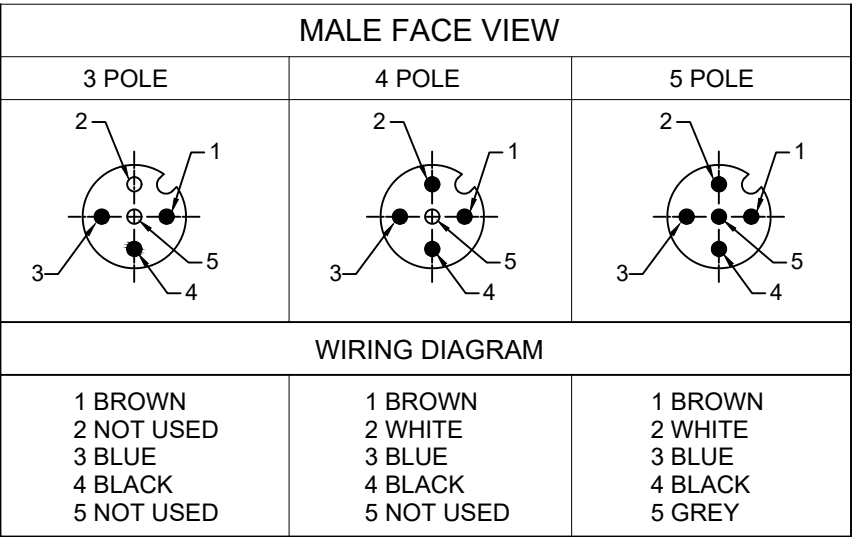




| PART NO    | ENGINEERING NO. | FINISHED LENGTH | POLES | CABLE DIA. |
|------------|-----------------|-----------------|-------|------------|
| 1200661137 | 883031A09M010   | 1M [3FT 3 IN]   | 3     | .20/5.1    |
| 1200662082 | 884031A09M170   | 17M [55FT 9 IN] | 4     | .21/5.3    |
| 1200661396 | 885031A09M100   | 10M [32FT 9 IN] | 5     | .22/5.6    |



NOTES:

1. MATERIAL: AS NOTED

2. FINISH: AS NOTED

3. ELECTRICAL:  
VOLTAGE: 250V  
CURRENT: 4A

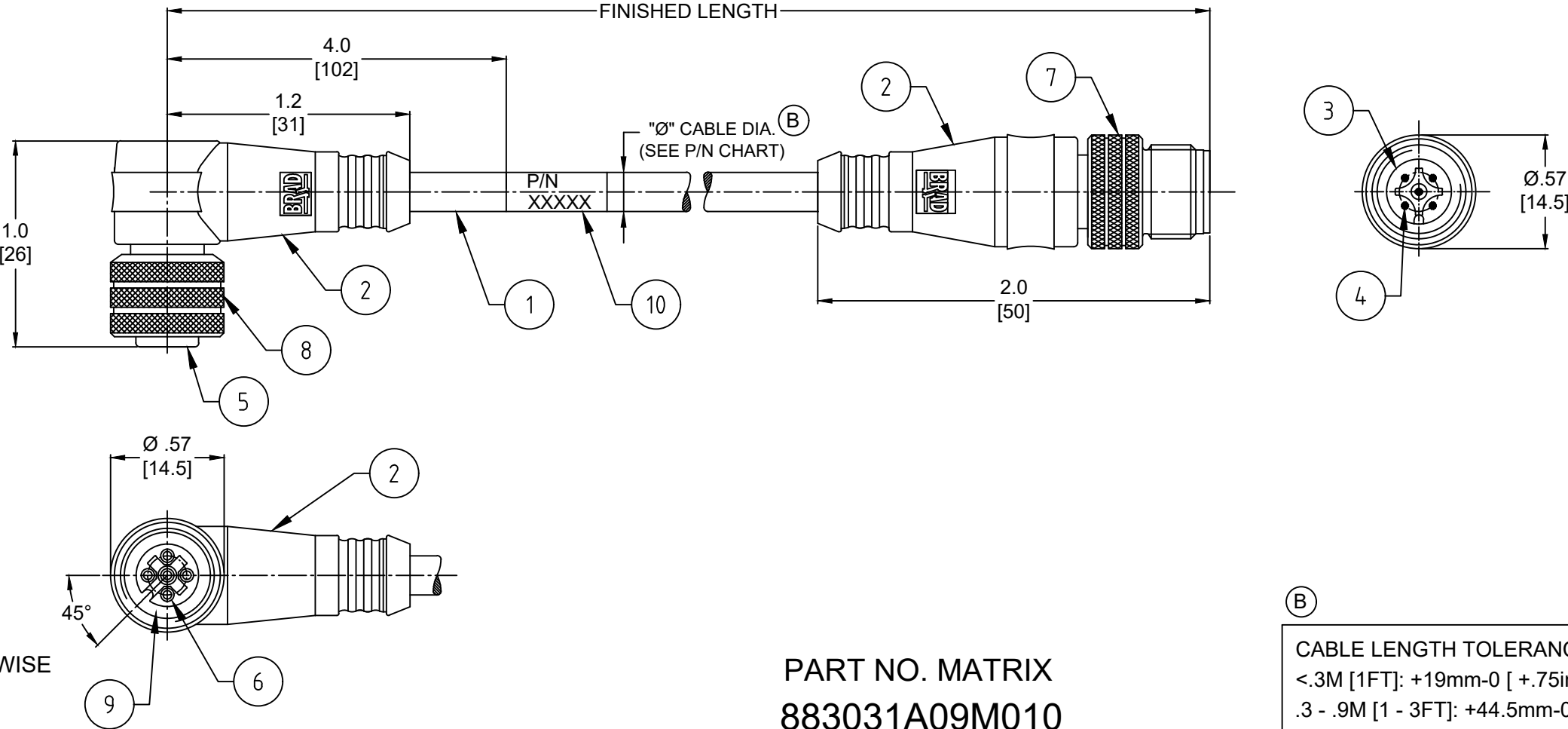
4. TEMP RATING: -20°TO +105°C

5. PROTECTION: IP67 (WHEN MATED)

6. COUPLING THREAD: M12X1

7. UL RECOGNIZED FILE: E152210  
CSA CERTIFIED FILE: LR6837

8. ALL DIMENSIONS ARE FOR REFERENCE  
UNLESS TOLERANCED OR NOTED OTHERWISE



|      |                     |              |                  |
|------|---------------------|--------------|------------------|
| 10   | LABEL               | VINYL        | BLACK/YELLOW     |
| 9    | O-RING              | VITON        | RED              |
| 8    | FEMALE COUPLING NUT | BRASS        | NICKEL PLATED    |
| 7    | MALE COUPLING NUT   | BRASS        | NICKEL PLATED    |
| 6    | CONTACT SOCKET      | COPPER ALLOY | GOLD OVER NICKEL |
| 5    | INSERT (FEMALE)     | PUR          | BLACK            |
| 4    | CONTACT PIN         | COPPER ALLOY | GOLD OVER NICKEL |
| 3    | INSERT (MALE)       | PUR          | BLACK            |
| 2    | OVERMOLD            | PUR          | YELLOW           |
| 1    | CABLE 22/3-5 AWG    | PVC JACKET   | YELLOW           |
| ITEM | DESCRIPTION         | MATERIAL     | FINISH           |

PART NO. MATRIX

883031A09M010

POLES  
(3, 4 & 5)

FINISHED LENGTH  
M005 = 0.5 METER  
M010 = 1 METER  
M100 = 10 METER

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]

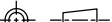
1.8 - 3.7M [6 - 12FT]: +88.9mm-0 [+3.50in-0]

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

|                                                                                                                                                                       |                                                                                                                                               |    |       |                                                                                       |                                                                                                                                       |         |                                                                             |        |  |                 |                                                                                                                                                                |                |                 |              |          |  |          |  |          |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|----|-------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|---------|-----------------------------------------------------------------------------|--------|--|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-----------------|--------------|----------|--|----------|--|----------|--|
| FUNCTIONAL SYMBOLS<br><div><math>\frac{F}{A}=0</math></div> <div><math>\frac{F}{C}=0</math></div> <div><math>\frac{F}{E}=0</math></div> <div>DIVISIONAL SYMBOLS</div> | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |    |       |                                                                                       |                                                                                                                                       |         |                                                                             |        |  |                 | <div>molex</div> <div>MICRO-CHANGE CORDSET, M12,<br/>3-5 POLE, FEMALE 90DEG - MALE STRAIGHT,<br/>SINGLE KEY, #22 AWG</div> <div>PRODUCT CUSTOMER DRAWING</div> |                |                 |              |          |  |          |  |          |  |
|                                                                                                                                                                       | DIMENSION UNITS                                                                                                                               |    | SCALE |                                                                                       | CURRENT REV DESC: ITEM #3 & #5 WERE NYLON. ITEM #10 WAS MYLAR. ADDED TOL CHART, CABLE DIA & CSA CERTIFICATE NUMBER. MODIFIED PN CHART |         |                                                                             |        |  |                 |                                                                                                                                                                |                |                 |              |          |  |          |  |          |  |
|                                                                                                                                                                       | INCH/MM                                                                                                                                       |    | NTS   |                                                                                       |                                                                                                                                       |         |                                                                             |        |  |                 |                                                                                                                                                                |                |                 |              |          |  |          |  |          |  |
|                                                                                                                                                                       | GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                                         |    |       |                                                                                       | EC NO: 671333<br>DRWN: ABENJAMINLW 2021/05/03<br>CHK'D: RSTONE 2021/07/23<br>APPR: BWOODMAN 2021/07/28                                |         |                                                                             |        |  |                 |                                                                                                                                                                |                |                 |              |          |  |          |  |          |  |
|                                                                                                                                                                       |                                                                                                                                               | mm | INCH  |                                                                                       |                                                                                                                                       |         |                                                                             |        |  |                 |                                                                                                                                                                |                |                 |              |          |  |          |  |          |  |
|                                                                                                                                                                       | 4 PLACES                                                                                                                                      |    | ±---- |                                                                                       | ±----                                                                                                                                 |         | INITIAL REVISION:<br>DRWN: LSTEMMLE 2010/01/25<br>APPR: NSTAUDIG 2010/01/29 |        |  |                 |                                                                                                                                                                |                | DOCUMENT NUMBER |              | DOC TYPE |  | DOC PART |  | REVISION |  |
|                                                                                                                                                                       | 3 PLACES                                                                                                                                      |    | ±---- |                                                                                       | ±0.005                                                                                                                                |         |                                                                             |        |  |                 |                                                                                                                                                                |                | SD-120066-013   |              | PSD      |  | 001      |  | B        |  |
|                                                                                                                                                                       | 2 PLACES                                                                                                                                      |    | ±0.13 |                                                                                       | ±0.01                                                                                                                                 |         |                                                                             |        |  |                 |                                                                                                                                                                |                |                 |              |          |  |          |  |          |  |
|                                                                                                                                                                       | 1 PLACE                                                                                                                                       |    | ±0.25 |                                                                                       | ±0.02                                                                                                                                 |         |                                                                             |        |  |                 |                                                                                                                                                                |                |                 |              |          |  |          |  |          |  |
|                                                                                                                                                                       | 0 PLACES                                                                                                                                      |    | ±---- |                                                                                       | ±----                                                                                                                                 |         |                                                                             |        |  |                 |                                                                                                                                                                |                |                 |              |          |  |          |  |          |  |
| ANGULAR TOL                                                                                                                                                           |                                                                                                                                               | ±  |       | 0.5 °                                                                                 |                                                                                                                                       |         |                                                                             |        |  |                 |                                                                                                                                                                |                |                 |              |          |  |          |  |          |  |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                                                            |                                                                                                                                               |    |       | THIRD ANGLE PROJECTION                                                                |                                                                                                                                       | DRAWING |                                                                             | SERIES |  | MATERIAL NUMBER |                                                                                                                                                                | CUSTOMER       |                 | SHEET NUMBER |          |  |          |  |          |  |
|                                                                                                                                                                       |                                                                                                                                               |    |       |  |                                                                                                                                       | A3-SIZE |                                                                             | 120066 |  | SEE CHART       |                                                                                                                                                                | GENERAL MARKET |                 | 1 OF 1       |          |  |          |  |          |  |