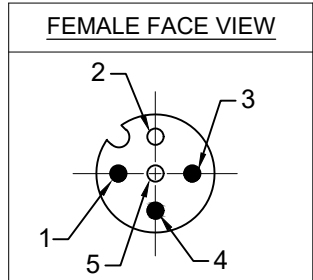


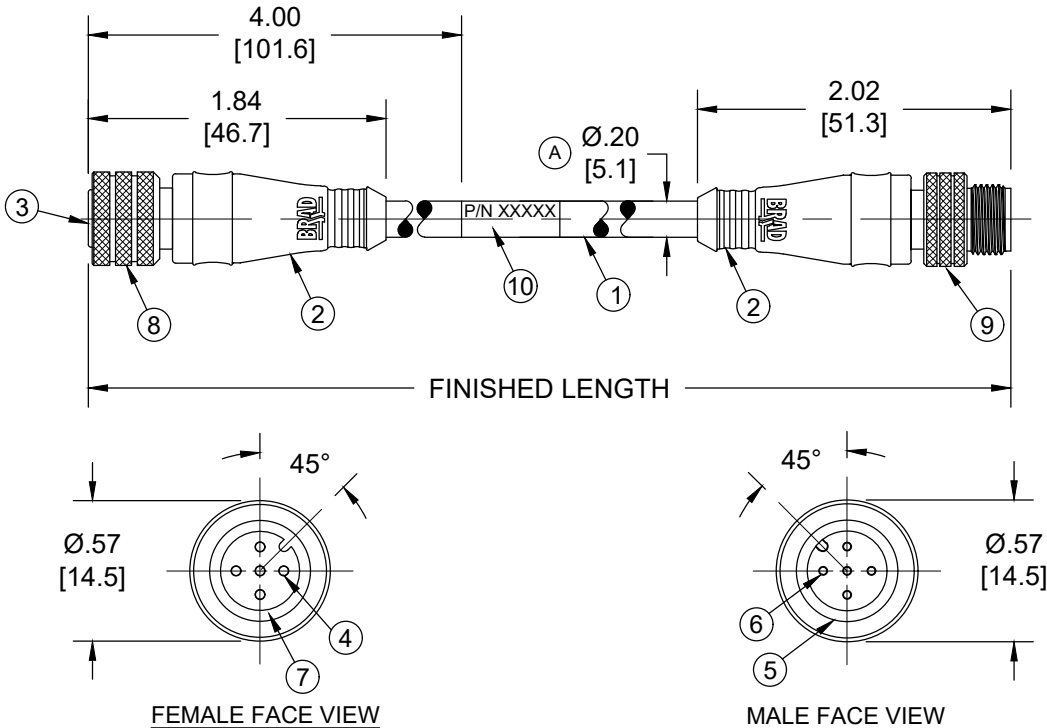
| MATERIAL NO. | ENGINEERING NO. | FINISHED LENGTH  |
|--------------|-----------------|------------------|
| 1200660162   | 883030A09M003   | 0.3M [1FT]       |
| 1200660188   | 883030A09M100   | 10M [32FT 10 IN] |
| 1200661606   | 883030A09M250   | 25M [82FT]       |



- NOTES:
1. MATERIAL: AS NOTED
  2. FINISH: AS NOTED
  3. ELECTRICAL:  
VOLTAGE: 250 VAC/VDC  
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

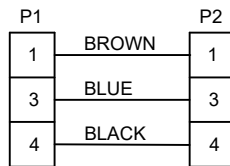
|      |                     |              |                  |
|------|---------------------|--------------|------------------|
| 10   | WRAP LABEL          | VINYL        | BLACK/YELLOW     |
| 9    | MALE COUPLING NUT   | BRASS        | NICKEL PLATED    |
| 8    | FEMALE COUPLING NUT | BRASS    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

|                 |    |              |            |          |
|-----------------|----|--------------|------------|----------|
| DOCUMENT STATUS | P1 | RELEASE DATE | 2021/07/14 | 21:16:11 |
|-----------------|----|--------------|------------|----------|



PART NO. MATRIX  
883030A09M003

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                                                                                    | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |       |       |                                                                              |                                                                                                                                       |         |  |                                  |                                                                                                                     |                 |  |                 |  |                 |  |               |  |
|                                                                                                       | DIMENSION UNITS                                                                                                                               |       | SCALE |                                                                              | CURRENT REV DESC: ITEM 3 & 5 WERE NYLON & ITEM #10 WAS MYLAR. ADDED UL & CSA IN NOTES. ADDED CABLE DIA & TOL CHART. MODIFIED PN TABLE |         |  |                                  | <div>molex</div> <div>MICRO-CHANGE CORDSET, M12,<br/>3 POLE, FEMALE-MALE, STRAIGHT,<br/>SINGLE KEY, #22/5 AWG</div> |                 |  |                 |  |                 |  |               |  |
|                                                                                                       | INCH/MM                                                                                                                                       |       | NTS   |                                                                              |                                                                                                                                       |         |  |                                  |                                                                                                                     |                 |  |                 |  |                 |  |               |  |
|                                                                                                       | GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                                         |       |       |                                                                              |                                                                                                                                       |         |  |                                  |                                                                                                                     |                 |  |                 |  |                 |  |               |  |
| <div><div><div><div><div></div><div></div></div><div></div></div><div></div></div><div>=0</div></div> |                                                                                                                                               |       |       |                                                                              | EC NO: 669893<br>DRWN: ABENJAMINLW 2021/02/26<br>CHK'D: RSTONE 2021/07/12<br>APPR: BWOODMAN 2021/07/14                                |         |  |                                  | PRODUCT CUSTOMER DRAWING                                                                                            |                 |  |                 |  |                 |  |               |  |
| <div><div><div><div><div></div><div></div></div><div></div></div><div></div></div><div>=0</div></div> |                                                                                                                                               | mm    | INCH  |                                                                              |                                                                                                                                       |         |  |                                  |                                                                                                                     |                 |  |                 |  |                 |  |               |  |
| <div><div><div><div><div></div><div></div></div><div></div></div><div></div></div><div>=0</div></div> | 4 PLACES                                                                                                                                      | ±---- | ±---- |                                                                              |                                                                                                                                       |         |  |                                  |                                                                                                                     |                 |  |                 |  |                 |  |               |  |
| DIVISIONAL SYMBOLS                                                                                    | 3 PLACES                                                                                                                                      | ±---- | ±---- | INITIAL REVISION:<br>DRWN: LSTEMMLE 2010/01/25<br>APPR: NSTAUMDIG 2010/01/29 |                                                                                                                                       |         |  | DOCUMENT NUMBER<br>SD-120066-010 |                                                                                                                     |                 |  | DOC TYPE<br>PSD |  | DOC PART<br>001 |  | REVISION<br>A |  |
|                                                                                                       | 2 PLACES                                                                                                                                      | ±---- | ±---- |                                                                              |                                                                                                                                       |         |  |                                  |                                                                                                                     |                 |  |                 |  |                 |  |               |  |
|                                                                                                       | 1 PLACE                                                                                                                                       | ±---- | ±---- |                                                                              |                                                                                                                                       |         |  |                                  |                                                                                                                     |                 |  |                 |  |                 |  |               |  |
|                                                                                                       | 0 PLACES                                                                                                                                      | ±---- | ±---- |                                                                              |                                                                                                                                       |         |  |                                  |                                                                                                                     |                 |  |                 |  |                 |  |               |  |
| ANGULAR TOL ± ---- °                                                                                  |                                                                                                                                               |       |       | THIRD ANGLE PROJECTION                                                       |                                                                                                                                       | DRAWING |  | SERIES                           |                                                                                                                     | MATERIAL NUMBER |  | CUSTOMER        |  | SHEET NUMBER    |  |               |  |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS                                                  |                                                                                                                                               |       |       |                                                                              |                                                                                                                                       | A-SIZE  |  | 120066                           |                                                                                                                     | SEE CHART       |  | GENERAL MARKET  |  | 1 OF 1          |  |               |  |

|                                                                                 |  |  |  |  |          |  |          |  |          |
|---------------------------------------------------------------------------------|--|--|--|--|----------|--|----------|--|----------|
| <b>molex</b>                                                                    |  |  |  |  |          |  |          |  |          |
| MICRO-CHANGE CORDSET, M12, 3 POLE, FEMALE-MALE, STRAIGHT, SINGLE KEY, #22/5 AWG |  |  |  |  |          |  |          |  |          |
| PRODUCT CUSTOMER DRAWING                                                        |  |  |  |  |          |  |          |  |          |
| DOCUMENT NUMBER                                                                 |  |  |  |  | DOC TYPE |  | DOC PART |  | REVISION |
| SD-120066-010                                                                   |  |  |  |  | PSD      |  | 001      |  | A        |