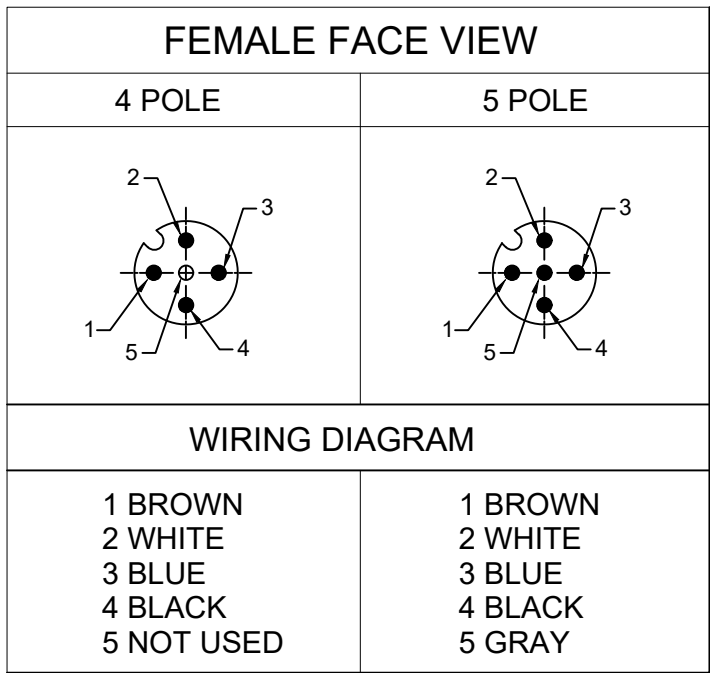




NOTES:

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

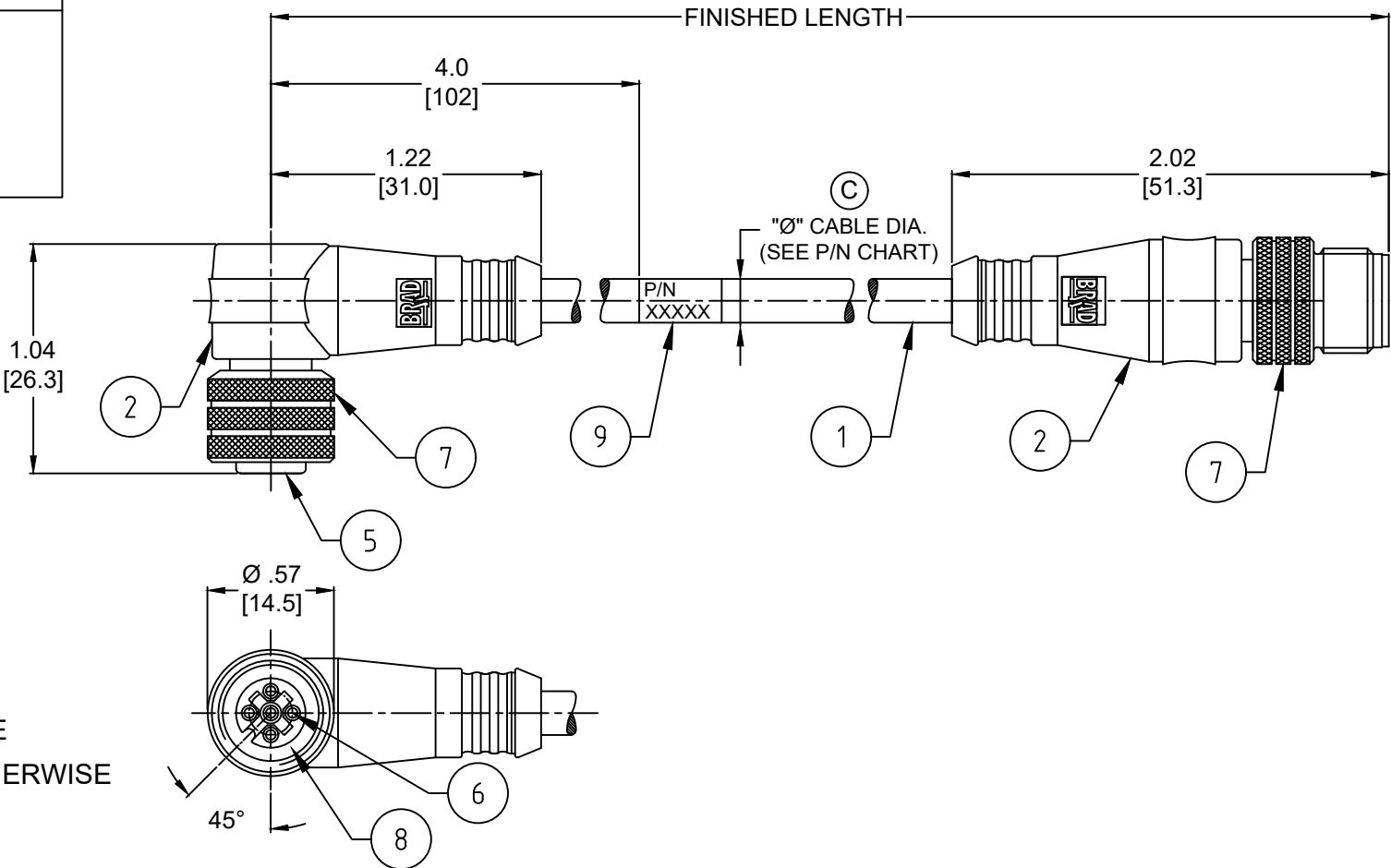
8. ALL DIMENSIONS ARE FOR REFERENCE  
UNLESS TOLERANCED OR NOTED OTHERWISE

|                            |                                    |
|----------------------------|------------------------------------|
| CABLE FLEX 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            |

|      |                   |              |                  |
|------|-------------------|--------------|------------------|
| 9    | WRAP LABEL        | VINYL        | BLACK/YELLOW     |
| 8    | O-RING            | VITON        | RED              |
| 7    | COUPLER           | BRASS        | TEFLON/NICKEL    |
| 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          | TPC          | YELLOW           |
| 1    | CABLE #18/4-5 AWG | TPE JACKET   | YELLOW           |
| ITEM | DESCRIPTION       | MATERIAL     | FINISH           |

DOCUMENT STATUS | P1 | RELEASE DATE | 2021/07/14 | 21:16:12

| PART NO    | ENGINEERING NO. | FINISHED LENGTH | POLES | CABLE DIA. |
|------------|-----------------|-----------------|-------|------------|
| 1200660969 | 884031K03M003   | 0.3M [1FT]      | 4     | .26/6.6    |
| 1202010015 | 884031K03M200   | 20M [65FT 7 IN] |       |            |
| 1200661045 | 885031K03M005   | 0.5M [1FT 8 IN] | 5     | .28/7.1    |
| 1200661961 | 885031K03M200   | 20M [65FT 7 IN] |       |            |

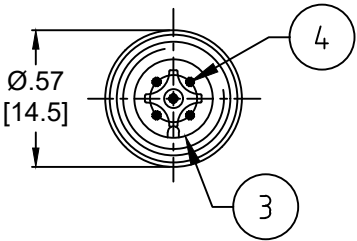
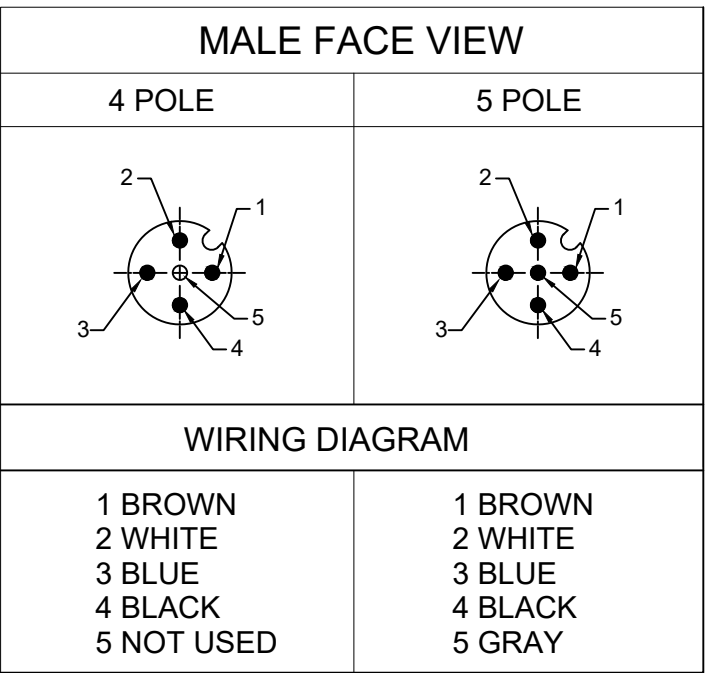


PART NO. MATRIX

884031K03M003

POLES (4 & 5)

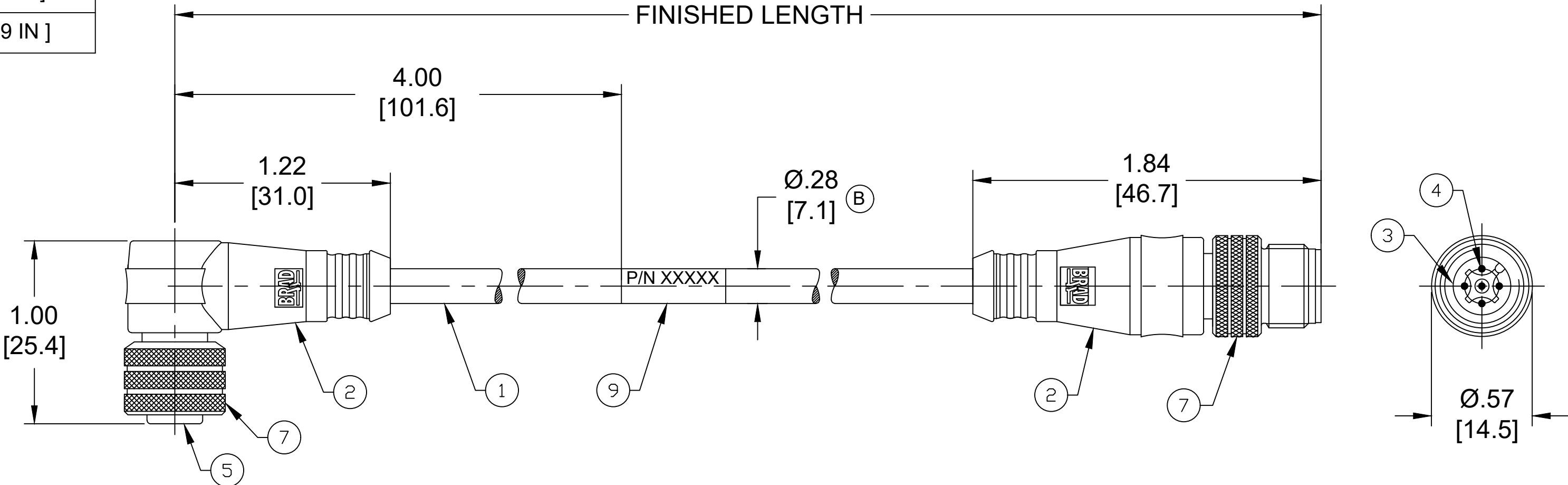
FINISHED LENGTH  
M005 = 0.5 METER  
M010 = 1 METER  
M100 = 10 METER



|                                                  |  |
|--------------------------------------------------|--|
| 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          |  |

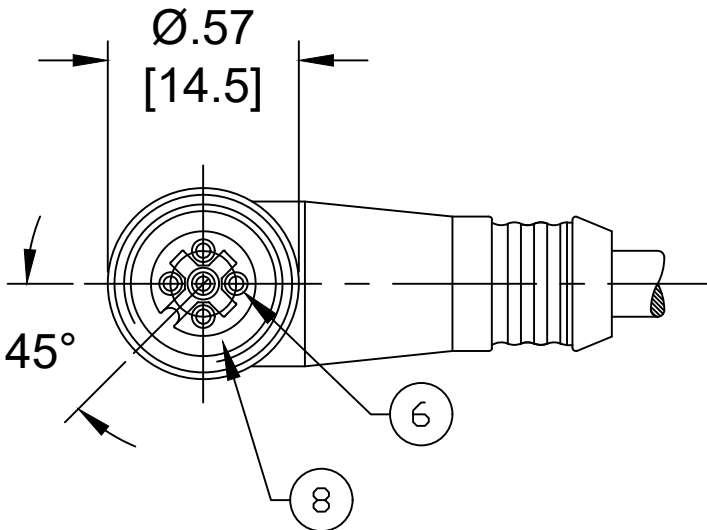
|                                                                                                                                                                       |                                                                                                                                               |       |                        |                   |                                                                                                                                                    |            |                 |                                                                                                                                          |              |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|-------|------------------------|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|------------|-----------------|------------------------------------------------------------------------------------------------------------------------------------------|--------------|--|
| 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 |       |                        |                   |                                                                                                                                                    |            |                 |                                                                                                                                          |              |  |
|                                                                                                                                                                       | DIMENSION UNITS                                                                                                                               |       | SCALE                  |                   | CURRENT REV DESC: ITEM #2 WAS TPE. ITEM #9 WAS MYLAR. REMOVED 3 POLE DETAILS. ADDED UL, CSA, TOL CHART & CABLE DIA. MODIFIED PN CHART & FACE VIEWS |            |                 | <div>molex</div> <div>MICRO-CHANGE CORDSET, M12</div> <div>4-5 POLE, FEMALE 90DEG - MALE STRAIGHT, SINGLE KEY, #18 AWG TPE HI-FLEX</div> |              |  |
|                                                                                                                                                                       | INCH/MM                                                                                                                                       |       | NTS                    |                   |                                                                                                                                                    |            |                 |                                                                                                                                          |              |  |
|                                                                                                                                                                       | GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                                         |       |                        |                   |                                                                                                                                                    |            |                 |                                                                                                                                          |              |  |
|                                                                                                                                                                       |                                                                                                                                               | mm    | INCH                   | EC NO: 6698893    |                                                                                                                                                    |            |                 |                                                                                                                                          |              |  |
|                                                                                                                                                                       | 4 PLACES                                                                                                                                      | ±---- | ±----                  | DRWN: ABENJAMINLW |                                                                                                                                                    |            | 2021/06/30      |                                                                                                                                          |              |  |
|                                                                                                                                                                       | 3 PLACES                                                                                                                                      | ±---- | ±----                  | CHK'D: RSTONE     |                                                                                                                                                    |            | 2021/07/12      |                                                                                                                                          |              |  |
|                                                                                                                                                                       | 2 PLACES                                                                                                                                      | ±---- | ±----                  | APPR: BWOODMAN    |                                                                                                                                                    |            | 2021/07/14      |                                                                                                                                          |              |  |
|                                                                                                                                                                       | 1 PLACE                                                                                                                                       | ±---- | ±----                  | INITIAL REVISION: |                                                                                                                                                    |            |                 |                                                                                                                                          |              |  |
|                                                                                                                                                                       | 0 PLACES                                                                                                                                      | ±---- | ±----                  | DRWN: LSTEMMLE    |                                                                                                                                                    |            | 2010/02/01      |                                                                                                                                          |              |  |
| ANGULAR TOL ± ---- °                                                                                                                                                  |                                                                                                                                               |       | APPR: FPACHER          |                   |                                                                                                                                                    | 2010/02/03 |                 |                                                                                                                                          |              |  |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS                                                                                                                  |                                                                                                                                               |       | THIRD ANGLE PROJECTION |                   | DRAWING                                                                                                                                            | SERIES     | MATERIAL NUMBER | CUSTOMER                                                                                                                                 | SHEET NUMBER |  |
|                                                                                                                                                                       |                                                                                                                                               |       |                        |                   | A3-SIZE                                                                                                                                            | 120066     | SEE CHART       | GENERAL MARKET                                                                                                                           | 1 OF 1       |  |

|            |                 |                   |     |   |   |   |   |   |   |   |   |
|------------|-----------------|-------------------|-----|---|---|---|---|---|---|---|---|
| 12         | 11              | 10                | 9   | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 |
| PART NO    | ENGINEERING NO. | FINISHED LENGTH   | (B) |   |   |   |   |   |   |   |   |
| 1200661047 | 885031K03M020   | 2M [ 6FT 7 IN ]   |     |   |   |   |   |   |   |   |   |
| 1200661048 | 885031K03M030   | 3M [ 9FT 10 IN ]  |     |   |   |   |   |   |   |   |   |
| 1200668732 | 885031K03M100   | 10M [ 32FT 9 IN ] |     |   |   |   |   |   |   |   |   |

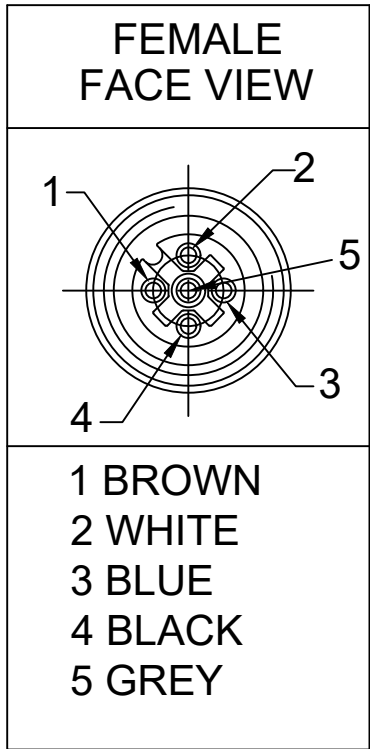


NOTES:

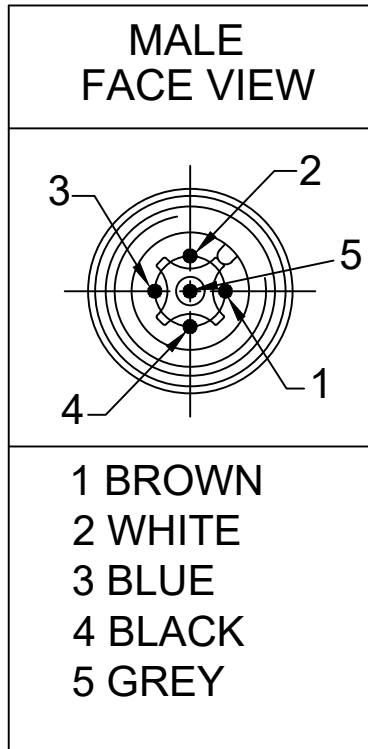
1. MATERIAL: AS NOTED
2. FINISH: AS NOTED
3. ELECTRICAL:  
VOLTAGE: 250V  
CURRENT: 4A
4. TEMP RATING: -20°TO +105°C (B)
5. PROTECTION: IP67 (WHEN MATED)
6. COUPLING THREAD: M12X1
7. UL RECOGNIZED FILE: E152210  
CSA CERTIFIED FILE: LR6837 (B)
8. ALL DIMENSIONS ARE FOR REFERENCE  
UNLESS TOLERANCED OR NOTED OTHERWISE



WIRING DIAGRAM



WIRING DIAGRAM



PART NO. MATRIX  
885031K03M006

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

MECHANICAL CHARACTERISTICS: (B)

|                      |                                    |
|----------------------|------------------------------------|
| 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            |

|      |                 |              |               |     |
|------|-----------------|--------------|---------------|-----|
| 9    | LABEL           | VINYL        | BLACK/YELLOW  | (B) |
| 8    | GASKET          | VITON        | RED           |     |
| 7    | COUPLER         | BRASS        | NICKEL/TEFLON |     |
| 6    | CONTACT SOCKET  | COPPER ALLOY | Au OVER Ni    | (B) |
| 5    | INSERT (FEMALE) | TPU          | BLACK         |     |
| 4    | CONTACT PIN     | COPPER ALLOY | Au OVER Ni    |     |
| 3    | INSERT (MALE)   | PUR          | BLACK         | (B) |
| 2    | OVERMOLD        | TPC          | YELLOW        |     |
| 1    | CABLE #18/5 AWG | TPE          | YELLOW        |     |
| ITEM | DESCRIPTION     | MATERIAL     | FINISH        |     |