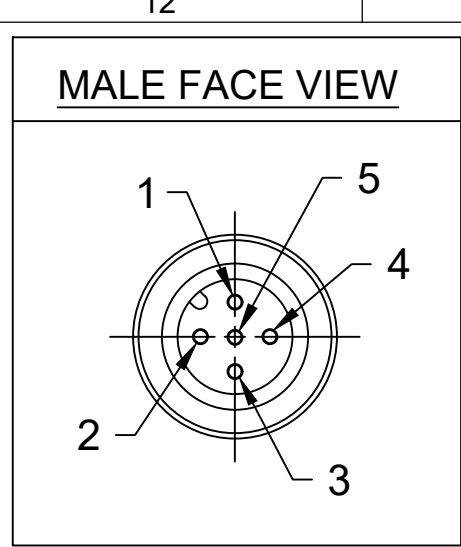
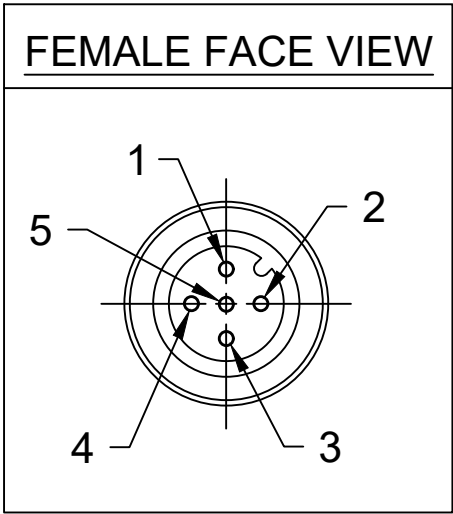




| MATERIAL NUMBER | ENGINEERING NUMBER | FINISHED LENGTH   |
|-----------------|--------------------|-------------------|
| 1300280104      | DND33A-M010        | 1M [3FT 3 IN]     |
| 1300280113      | DND33A-M050        | 5M [16FT 5 IN]    |
| 1300280411      | DND33A-M150        | 15M [ 49FT 3 IN ] |



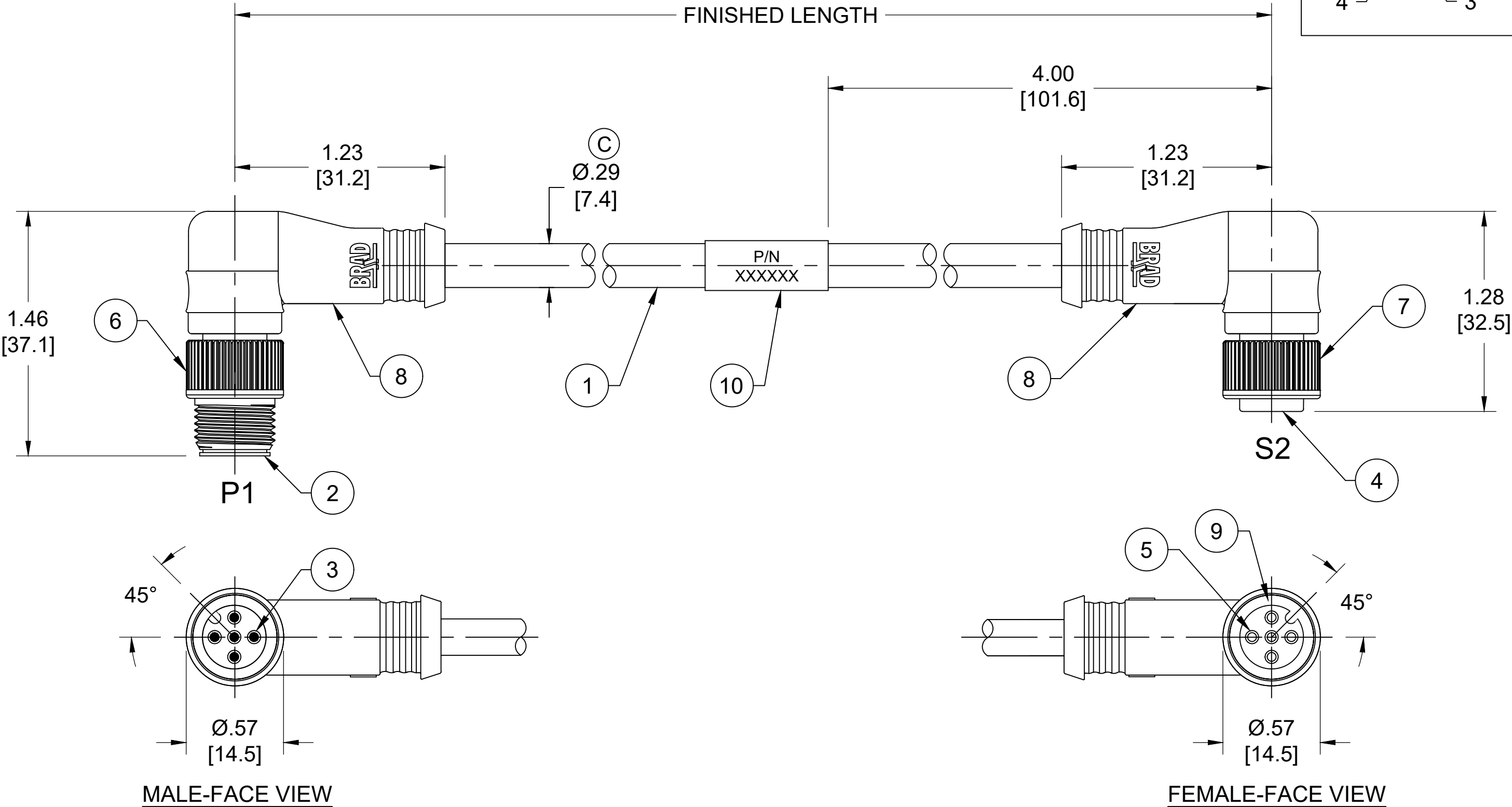
**PART NUMBER LEGEND**

**DND33A-M010**

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

NOTES:

1. MATERIAL: AS NOTED
2. FINISH: AS NOTED
3. ELECTRICAL:  
VOLTAGE : 60V AC/DC  
CURRENT: 4A
4. TEMP RATING: -20° TO +80°C
5. PROTECTION: IP67 (WHEN MATED)
6. COUPLING THREAD: M12X1
7. UL LISTED FILE: E152210  
CSA CERTIFIED FILE: LR6837
8. ALL DIMENSIONS ARE FOR REFERENCE  
UNLESS TOLERACED OR NOTED OTHERWISE



| 10   | WRAP LABEL                    | VINYL         | YELLOW       |
|------|-------------------------------|---------------|--------------|
| 9    | O-RING                        | NITRILE       | RED          |
| 8    | OVERMOLDS                     | TPC           | GRAY         |
| 7    | FEMALE COUPLING NUT           | ZINC DIE CAST | BLACK E-COAT |
| 6    | MALE COUPLING NUT             | ZINC DIE CAST | BLACK E-COAT |
| 5    | CONTACT SOCKET                | COPPER ALLOY  | GOLD PLATED  |
| 4    | FEMALE INSERT                 | NYLON         | BLACK        |
| 3    | CONTACT PIN                   | COPPER ALLOY  | GOLD PLATED  |
| 2    | MALE INSERT                   | NYLON         | BLACK        |
| 1    | DEVICENET DROP CABLE, #22 AWG | PVC JACKET    | GRAY         |
| ITEM | COMPONENT                     | MATERIAL      | FINISH       |

| P1        | S2        |
|-----------|-----------|
| 1         | 1         |
| +V - 2    | 2 - V+    |
| -V - 3    | 3 - V-    |
| CAN_H - 4 | 4 - CAN_H |
| CAN_L - 5 | 5 - CAN_L |

**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  |

**SCHEMATIC**

|                    |                                                                                                                                               |        |                |  |                                                                                                                                                                                           |  |            |                                                                                                                       |          |  |               |  |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|--------|----------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------|-----------------------------------------------------------------------------------------------------------------------|----------|--|---------------|--|
| 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: CHANGED VOLTAGE RATING FROM 250V TO 60V. ITEM-8 WAS PVC.ITEM-10 WAS PLASTIC FILM. ADDED ITEM-9, UL, CSA, PN LEGEND, CABLE DIA & CABLE LEGTH TOL CHART.MODIFIED PN CHART |  |            | <div>molex</div> <div>MICRO-CHANGE DEVICE-NET, M12<br/>5 POLE, MALE/FEMALE, 90/90, #22/4 SHLD<br/>PVC -THIN STD</div> |          |  |               |  |
|                    | INCH/MM                                                                                                                                       |        | NTS            |  |                                                                                                                                                                                           |  |            |                                                                                                                       |          |  |               |  |
|                    | GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                                         |        |                |  |                                                                                                                                                                                           |  |            |                                                                                                                       |          |  |               |  |
|                    |                                                                                                                                               | mm     | INCH           |  |                                                                                                                                                                                           |  |            |                                                                                                                       |          |  |               |  |
|                    | 4 PLACES                                                                                                                                      | ± ---- | ± ----         |  |                                                                                                                                                                                           |  |            |                                                                                                                       |          |  |               |  |
|                    | 3 PLACES                                                                                                                                      | ± ---- | ± ----         |  |                                                                                                                                                                                           |  |            |                                                                                                                       |          |  |               |  |
|                    | 2 PLACES                                                                                                                                      | ± ---- | ± ----         |  |                                                                                                                                                                                           |  |            |                                                                                                                       |          |  |               |  |
|                    | 1 PLACE                                                                                                                                       | ± ---- | ± ----         |  |                                                                                                                                                                                           |  |            |                                                                                                                       |          |  |               |  |
|                    | 0 PLACES                                                                                                                                      | ± ---- | ± ----         |  |                                                                                                                                                                                           |  |            |                                                                                                                       |          |  |               |  |
| DIVISIONAL SYMBOLS | ANGULAR TOL ± ---- °                                                                                                                          |        |                |  |                                                                                                                                                                                           |  |            |                                                                                                                       |          |  | EC NO: 796482 |  |
|                    | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS                                                                                          |        |                |  | CHK'D: LESPINOZA                                                                                                                                                                          |  | 2024/08/27 |                                                                                                                       |          |  |               |  |
|                    |                                                                                                                                               |        |                |  | APPR: BWOODMAN                                                                                                                                                                            |  | 2024/09/19 |                                                                                                                       |          |  |               |  |
|                    |                                                                                                                                               |        |                |  | INITIAL REVISION:                                                                                                                                                                         |  |            |                                                                                                                       |          |  |               |  |
|                    |                                                                                                                                               |        |                |  | DRWN: VOU                                                                                                                                                                                 |  | 2009/08/04 |                                                                                                                       |          |  |               |  |
|                    | THIRD ANGLE PROJECTION                                                                                                                        |        |                |  | APPR: JFMURPHY                                                                                                                                                                            |  | 2009/08/10 |                                                                                                                       |          |  |               |  |
|                    | DRAWING                                                                                                                                       |        | SERIES         |  | DOCUMENT NUMBER                                                                                                                                                                           |  | DOC TYPE   |                                                                                                                       | DOC PART |  | REVISION      |  |
|                    | C-SIZE                                                                                                                                        |        | 130028         |  | SD-130028-003                                                                                                                                                                             |  | PSD        |                                                                                                                       | 001      |  | C             |  |
|                    | MATERIAL NUMBER                                                                                                                               |        | CUSTOMER       |  | SHEET NUMBER                                                                                                                                                                              |  |            |                                                                                                                       |          |  |               |  |
|                    | SEE CHART                                                                                                                                     |        | GENERAL MARKET |  | 1 OF 1                                                                                                                                                                                    |  |            |                                                                                                                       |          |  |               |  |

|                 |    |              |                     |
|-----------------|----|--------------|---------------------|
| DOCUMENT STATUS | P1 | RELEASE DATE | 2024/09/19 14:13:04 |
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