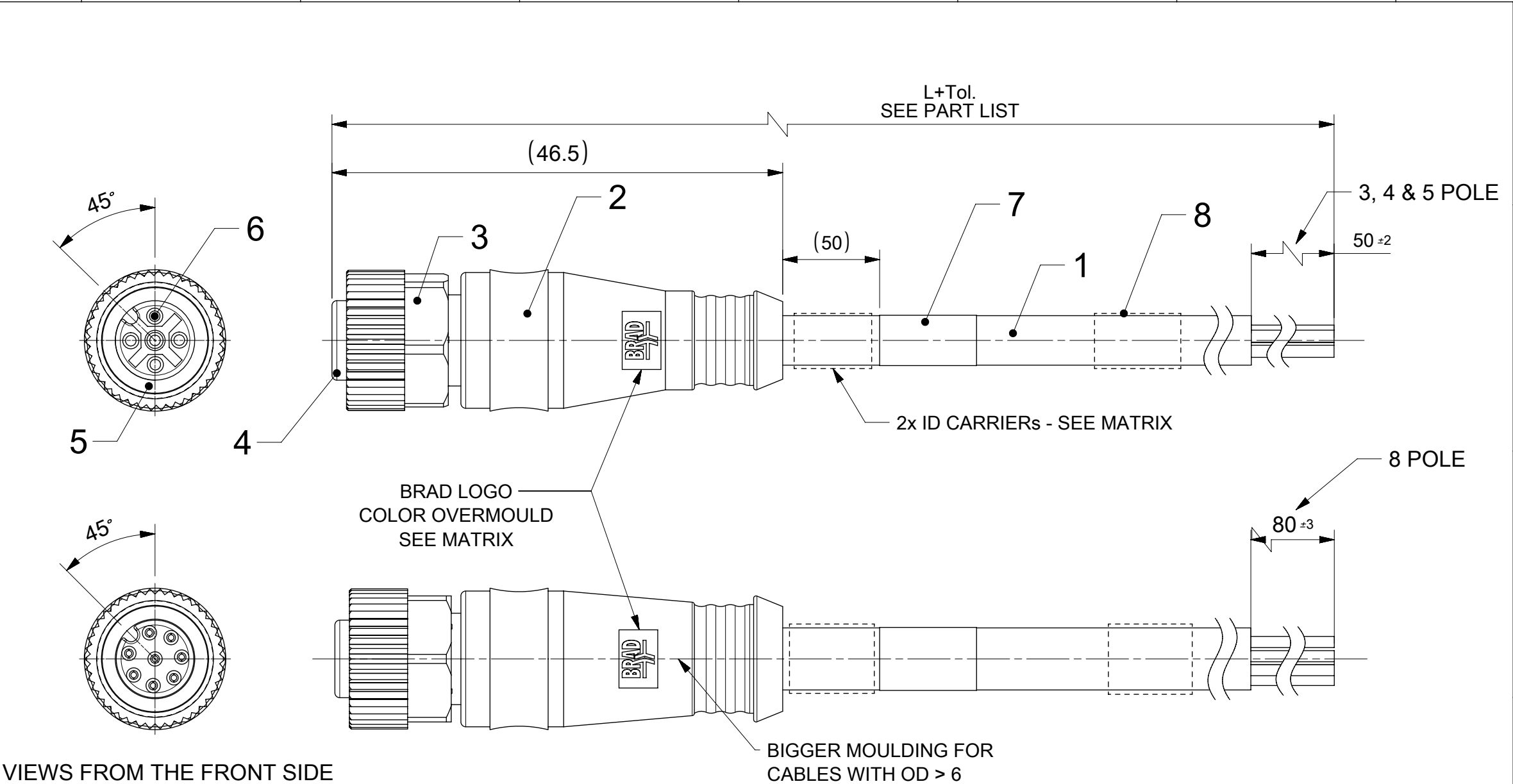
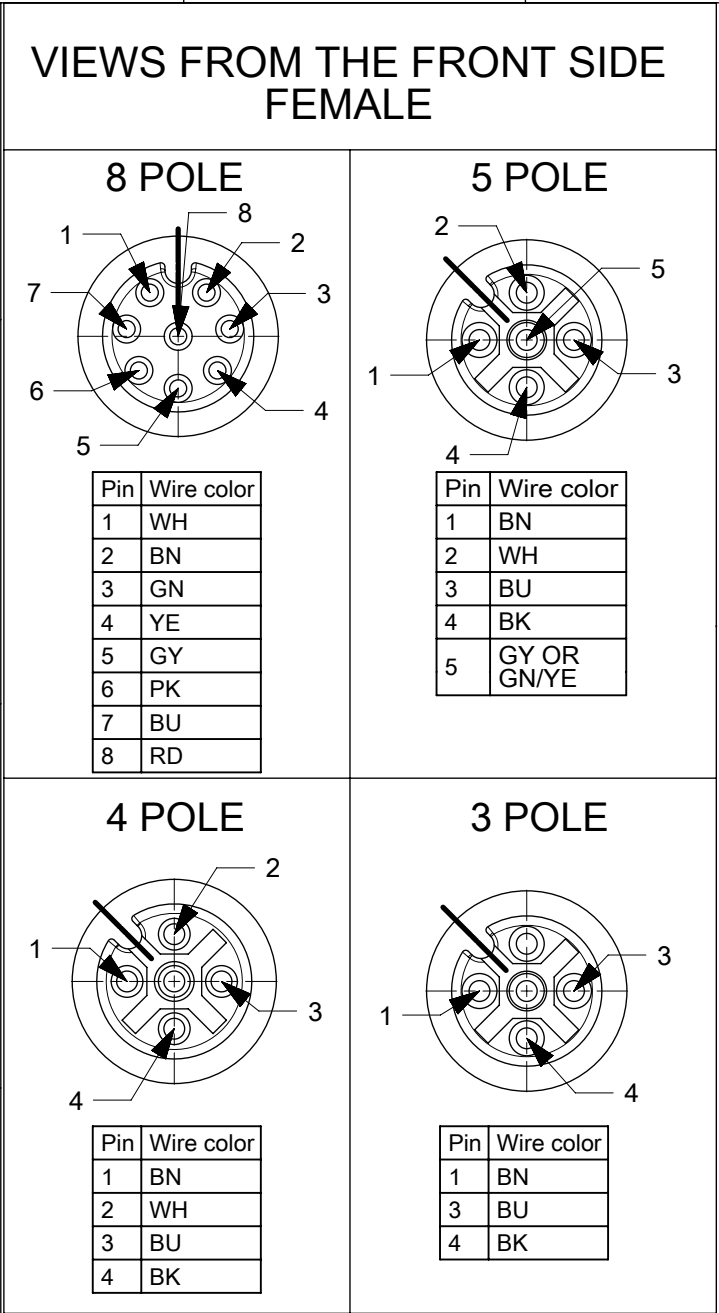




NOTES:

TEMPERATURE RANGE : SEE CABLE LIST

RATED VOLTAGE: 3, 4 contacts : 250V  
5 contacts : 60V  
8 contacts : 30V

RATED CURRENT: 3, 4, 5 contacts : 4A  
8 contacts : 2A

INSULATION RESISTANCE: 10<sup>8</sup> Ω MIN.

MATING CYCLES: MIN. 100

ENVIRONMENTAL:PROTECTION: IP67 IN MATED AND LOCKED POSITION

BILL OF MATERIAL

|      |         |               |                |                     |
|------|---------|---------------|----------------|---------------------|
| 8    | 0/2     | I/D CARRIER   | -              | -                   |
| 7    | 1       | LABEL         | VINYL          | YELLOW              |
| 6    | 3/4/5/8 | CONTACTS      | BRASS          | GOLD OVER Ni-PLATED |
| 5    | 1       | GASKET        | FPM            | RED                 |
| 4    | 1       | FEMALE INSERT | PUR            | BLACK               |
| 3    | 1       | COUPLING NUT  | BRASS          | Ni-PLATED           |
| 2    | -       | OVERMOULD     | TPU            | BLACK               |
| 1    | -       | CABLE         | SEE CABLE LIST | SEE CABLE LIST      |
| ITEM | QTY.    | DESCRIPTION   | MATERIAL       | FINISH/COLOR        |

|                                       |  |                                                                                                                                               |  |                                                                                                                                                                          |  |         |  |               |  |                 |  |                                                                     |  |              |  |          |  |                          |  |          |  |
|---------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------|--|---------------|--|-----------------|--|---------------------------------------------------------------------|--|--------------|--|----------|--|--------------------------|--|----------|--|
| 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: NEW P/N ADDED                                                                                                                                          |  |         |  |               |  |                 |  | <div>molex</div> <div>CSE M12 XP AC FE STR WSOR XM SE UNSH BK</div> |  |              |  |          |  |                          |  |          |  |
| mm                                    |  | 2:1                                                                                                                                           |  |                                                                                                                                                                          |  |         |  |               |  |                 |  |                                                                     |  |              |  |          |  |                          |  |          |  |
| GENERAL TOLERANCES (UNLESS SPECIFIED) |  |                                                                                                                                               |  | EC NO: 801104<br>DRWN: RSCHIEBER2024/10/14<br>CHK'D: RSILLER2024/10/14<br>APPR: RSILLER2024/10/14<br>INITIAL REVISION:<br>DRWN: SSM2021/12/16<br>APPR: RSILLER2022/02/28 |  |         |  |               |  |                 |  |                                                                     |  |              |  |          |  | PRODUCT CUSTOMER DRAWING |  |          |  |
| ANGULAR TOL ± 1.0 °                   |  |                                                                                                                                               |  |                                                                                                                                                                          |  |         |  |               |  |                 |  | DOCUMENT NUMBER                                                     |  |              |  | DOC TYPE |  | DOC PART                 |  | REVISION |  |
| 4 PLACES ±                            |  |                                                                                                                                               |  |                                                                                                                                                                          |  |         |  |               |  |                 |  | 1200652251                                                          |  |              |  | PSD      |  | 000                      |  | B2       |  |
| 3 PLACES ±                            |  |                                                                                                                                               |  |                                                                                                                                                                          |  |         |  |               |  |                 |  |                                                                     |  |              |  |          |  |                          |  |          |  |
| 2 PLACES ± 0.05                       |  |                                                                                                                                               |  |                                                                                                                                                                          |  |         |  |               |  |                 |  |                                                                     |  |              |  |          |  |                          |  |          |  |
| 1 PLACE ± 0.3                         |  |                                                                                                                                               |  |                                                                                                                                                                          |  |         |  |               |  |                 |  |                                                                     |  |              |  |          |  |                          |  |          |  |
| 0 PLACES ± 0.5                        |  |                                                                                                                                               |  |                                                                                                                                                                          |  |         |  |               |  |                 |  |                                                                     |  |              |  |          |  |                          |  |          |  |
| DIVISIONAL SYMBOLS                    |  | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS                                                                                          |  | THIRD ANGLE PROJECTION                                                                                                                                                   |  | DRAWING |  | SERIES        |  | MATERIAL NUMBER |  | CUSTOMER                                                            |  | SHEET NUMBER |  |          |  |                          |  |          |  |
|                                       |  |                                                                                                                                               |  | A3-SIZE                                                                                                                                                                  |  | 120065  |  | SEE PART LIST |  | GENERAL MARKET  |  | 1 OF 3                                                              |  |              |  |          |  |                          |  |          |  |





Technical drawing of the OTE 1000 cable head, showing front and side views with dimensions and labels.

**VIEW FROM THE FRONT SIDE SCALE 2:1**

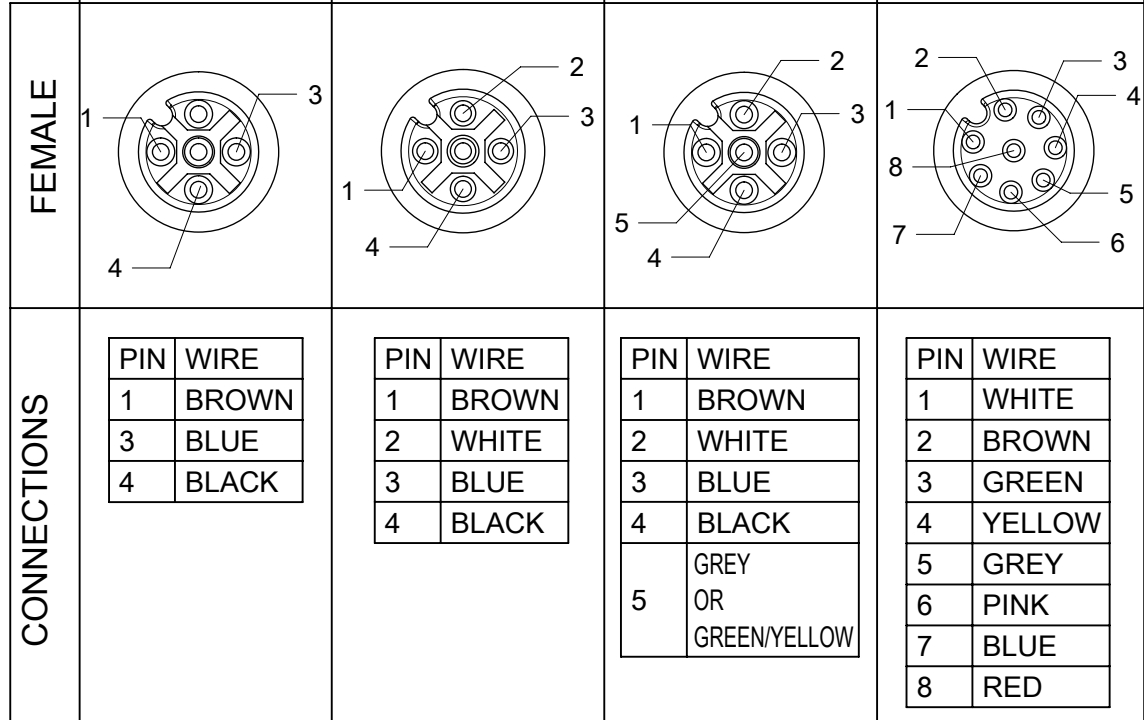
**VIEW FROM THE FRONT SIDE SCALE 2:1**

**Dimensions and Labels:**

- 1:** Cable jacket
- 2:** Cable head body
- 3:** Cable head body (thicker overmould)
- 4:** Cable head body (thicker overmould)
- 5:** Cable head body (thicker overmould)
- 6:** Cable head body (thicker overmould)
- 7:** Cable head body (thicker overmould)
- 8:** Cable head body (thicker overmould)
- Dimensions:**
  - $(\varnothing 14.5)$
  - $(46.3)$
  - $(46.5)$
  - $50 \pm 5$
  - $L + Tol.$
  - $3, 4, 5 \text{ POLE } 50 \pm 2$
  - $8 \text{ POLE } 80 \pm 3$

**Thicker Overmould for Cables with bigger Outer Diameter**

|            |            |            |            |
|------------|------------|------------|------------|
| 3 CONTACTS | 4 CONTACTS | 5 CONTACTS | 8 CONTACTS |
|------------|------------|------------|------------|



|      |         |                     |             |                        |
|------|---------|---------------------|-------------|------------------------|
| 7    | 1       | LABEL YE            | VINYL       | -                      |
| 6    | 3/4/5/8 | CONTACT FE          | BRASS       | GOLD OVER<br>Ni-PLATED |
| 5    | 1       | GASKET RD           | FPM         | -                      |
| 4    | 1       | INSERT M12 FE XP BK | PUR         | -                      |
| 3    | 1       | COUPLING NUT M12 FE | SEE SHEET 2 | SEE SHEET 2            |
| 2    | -       | OVERMOULDING        | SEE SHEET 2 | SEE SHEET 2            |
| 1    | -       | CABLE               | SEE SHEET 2 | -                      |
| ITEM | QTY.    | DESCRIPTION         | MATERIAL    | FINISH                 |

|                 |    |              |            |          |
|-----------------|----|--------------|------------|----------|
| DOCUMENT STATUS | P1 | RELEASE DATE | 2021/10/18 | 12:08:57 |
|-----------------|----|--------------|------------|----------|

## F



## D

CA

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