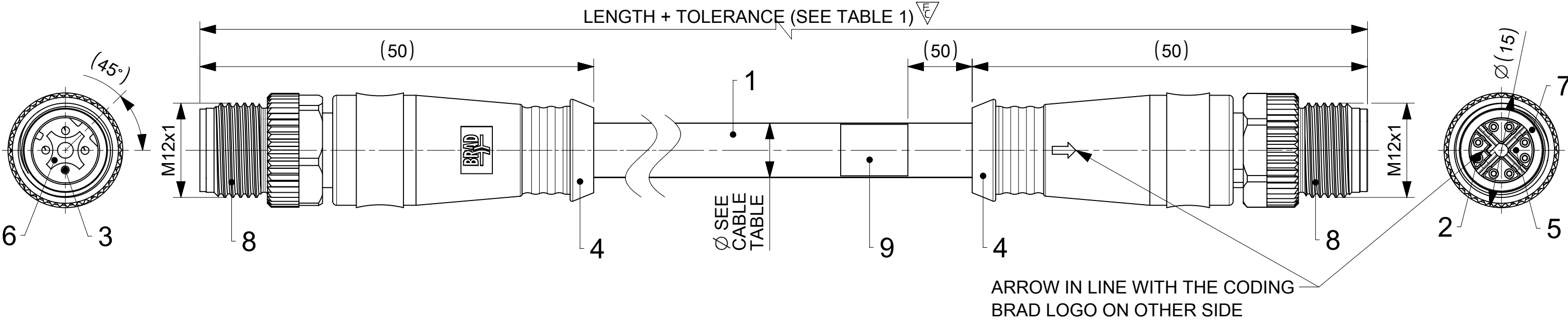
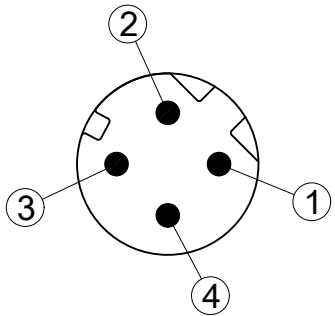


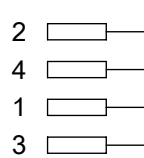


M12 4P DC MALE FRONT VIEW  
ACCORDING IEC 61076-2-101



WIRING DIAGRAM

M12 D-CODE  
MALE



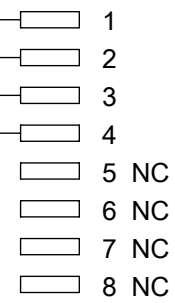
WHITE-ORANGE OR WHITE

ORANGE

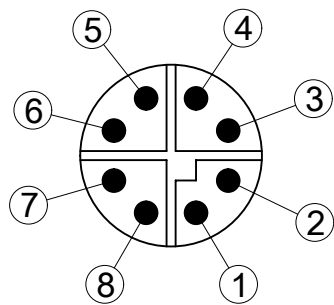
WHITE-GREEN OR WHITE

GREEN

M12 X-CODE  
MALE



M12 8P XC MALE FRONT VIEW  
ACCORDING IEC 61076-2-109



NOTES:

VOLTAGE RATING: 48 V

CURRENT RATING: 0.5 A

TEMPERATURE RATING: -25°C TO +85°C

SEE CABLE TABLE

MATING CYCLES: MIN. 100

IP RATING: IP 67 (IN MATED AND LOCKED CONDITION)

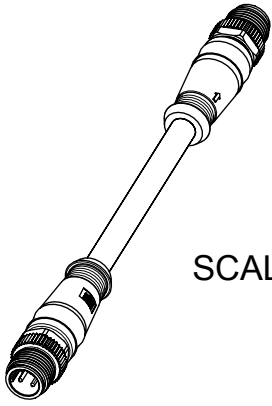
TRANSMISSION CHARACTERISTICS ACCORDING TO ISO/IEC 11801 CLASS D TYPE C / TIA CAT5e CHANNEL

HEAD TO HEAD ROTATION CAN VARY TO DRAWING

PACKAGING: CORDSETS ARE PACKED IN A POLYBAG

BILL OF MATERIAL

| ITEM | QTY | DESCRIPTION              | MATERIAL      | FINISH/COLOR |
|------|-----|--------------------------|---------------|--------------|
| 1    | 1   | CABLE                    | PVC / TPE     | TEAL         |
| 2    | 8   | CONTACT 6 MALE           | BRASS         | AU OVER Ni   |
| 3    | 4   | CONTACT 10 MALE          | BRASS         | AU OVER Ni   |
| 4    | -   | MOLDING MATERIAL         | TPU           | BLACK        |
| 5    | 1   | INSERT M12 CAT6A MALE 8P | PA6           | BLACK        |
| 6    | 1   | INSERT M12 MA 4P DC CSE  | PUR           | BLACK        |
| 7    | 1   | SHELL M12 CAT6A          | ZINC DIE-CAST | Ni PLATED    |
| 8    | 2   | NUT M12 MALE             | BRASS         | Ni PLATED    |
| 9    | 1   | LABEL 2.0X1.75           | VINYL         | YELLOW       |



SCALE 1:2

|                                                     |                                                                                                                                               |                                               |                                                                                                                            |                                |                            |                        |
|-----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|--------------------------------|----------------------------|------------------------|
| FUNCTIONAL SYMBOLS<br>E/A = 0<br>E/E = 1<br>E/E = 0 | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | CURRENT REV DESC: CHANGE PATCHWORK TO CHANNEL |                                                                                                                            |                                |                            |                        |
|                                                     | DIMENSION UNITS<br>mm                                                                                                                         | SCALE<br>2:1                                  | EC NO: 766987<br>DRWN: MBLOESER<br>CHK'D: RSILLER<br>APPR: RSILLER<br>INITIAL REVISION:<br>DRWN: MBLOESER<br>APPR: RSILLER |                                |                            |                        |
|                                                     | GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                                         |                                               |                                                                                                                            |                                |                            |                        |
|                                                     | ANGULAR TOL ± 1.0 °                                                                                                                           |                                               |                                                                                                                            |                                |                            |                        |
|                                                     | 4 PLACES ±                                                                                                                                    |                                               |                                                                                                                            |                                |                            |                        |
| DIVISIONAL SYMBOLS                                  | 3 PLACES ±                                                                                                                                    | 2023/10/25                                    | DOCUMENT NUMBER<br>1201089117                                                                                              | DOC TYPE<br>PSD                | DOC PART<br>000            | REVISION<br>A6         |
|                                                     | 2 PLACES ± 0.05                                                                                                                               | 2023/10/25                                    |                                                                                                                            |                                |                            |                        |
|                                                     | 1 PLACE ± 0.3                                                                                                                                 | 2022/07/11                                    |                                                                                                                            |                                |                            |                        |
|                                                     | 0 PLACES ± 0.5                                                                                                                                | 2022/10/17                                    |                                                                                                                            |                                |                            |                        |
|                                                     | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS                                                                                          |                                               |                                                                                                                            |                                |                            |                        |
| THIRD ANGLE PROJECTION                              |                                                                                                                                               | DRAWING<br>A3-SIZE                            | SERIES<br>120108                                                                                                           | MATERIAL NUMBER<br>SEE TABLE 1 | CUSTOMER<br>GENERAL MARKET | SHEET NUMBER<br>1 OF 3 |

|    |            |                 |                                    |             |   |   |   |   |   |   |
|----|------------|-----------------|------------------------------------|-------------|---|---|---|---|---|---|
|    | 10         | 9               | 8                                  | 7           | 6 | 5 | 4 | 3 | 2 | 1 |
| F  | TABLE 1    |                 |                                    |             |   |   |   |   |   |   |
|    | MOLEX PN   | ENGINEERING NO. | DESCRIPTION                        | LENGTH [mm] |   |   |   |   |   |   |
|    | 1203411132 | E12A06004M003   | M12 4P XC TO DC M ST/M ST TPE 0.3M | 300         |   |   |   |   |   |   |
|    | 1201089117 | E12A06004M010   | M12 4P XC TO DC M ST/M ST TPE 1M   | 1000        |   |   |   |   |   |   |
|    | 1201089118 | E12A06004M020   | M12 4P XC TO DC M ST/M ST TPE 2M   | 2000        |   |   |   |   |   |   |
| E  | 1201089119 | E12A06004M030   | M12 4P XC TO DC M ST/M ST TPE 3M   | 3000        |   |   |   |   |   |   |
|    | 1201089120 | E12A06004M040   | M12 4P XC TO DC M ST/M ST TPE 4M   | 4000        |   |   |   |   |   |   |
|    | 1201089121 | E12A06004M050   | M12 4P XC TO DC M ST/M ST TPE 5M   | 5000        |   |   |   |   |   |   |
|    | 1201089122 | E12A06004M060   | M12 4P XC TO DC M ST/M ST TPE 6M   | 6000        |   |   |   |   |   |   |
|    | 1201089123 | E12A06004M070   | M12 4P XC TO DC M ST/M ST TPE 7M   | 7000        |   |   |   |   |   |   |
| D  | 1201089124 | E12A06004M080   | M12 4P XC TO DC M ST/M ST TPE 8M   | 8000        |   |   |   |   |   |   |
|    | 1201089125 | E12A06004M100   | M12 4P XC TO DC M ST/M ST TPE 10M  | 10000       |   |   |   |   |   |   |
|    | 1201089126 | E12A06004M120   | M12 4P XC TO DC M ST/M ST TPE 12M  | 12000       |   |   |   |   |   |   |
|    | 1201089127 | E12A06004M140   | M12 4P XC TO DC M ST/M ST TPE 14M  | 14000       |   |   |   |   |   |   |
|    | 1201089128 | E12A06004M150   | M12 4P XC TO DC M ST/M ST TPE 15M  | 15000       |   |   |   |   |   |   |
| C  | 1201089129 | E12A06004M180   | M12 4P XC TO DC M ST/M ST TPE 18M  | 18000       |   |   |   |   |   |   |
|    | 1201089130 | E12A06004M230   | M12 4P XC TO DC M ST/M ST TPE 23M  | 23000       |   |   |   |   |   |   |
|    | 1201089131 | E12A06004M270   | M12 4P XC TO DC M ST/M ST TPE 27M  | 27000       |   |   |   |   |   |   |
|    | 1201089132 | E12A06004M300   | M12 4P XC TO DC M ST/M ST TPE 30M  | 30000       |   |   |   |   |   |   |
|    | 1201089133 | E12A06004M340   | M12 4P XC TO DC M ST/M ST TPE 34M  | 34000       |   |   |   |   |   |   |
| B  | 1201089134 | E12A06004M380   | M12 4P XC TO DC M ST/M ST TPE 38M  | 38000       |   |   |   |   |   |   |
|    | 1201089135 | E12A06004M420   | M12 4P XC TO DC M ST/M ST TPE 42M  | 42000       |   |   |   |   |   |   |
|    | 1201089136 | E12A06004M460   | M12 4P XC TO DC M ST/M ST TPE 46M  | 46000       |   |   |   |   |   |   |
|    | 1201089137 | E12A06004M500   | M12 4P XC TO DC M ST/M ST TPE 50M  | 50000       |   |   |   |   |   |   |
|    | 1201089138 | E12A06004M540   | M12 4P XC TO DC M ST/M ST TPE 54M  | 54000       |   |   |   |   |   |   |
| A  | 1201089139 | E12A06004M570   | M12 4P XC TO DC M ST/M ST TPE 57M  | 57000       |   |   |   |   |   |   |
|    | 1201089140 | E12A06004M610   | M12 4P XC TO DC M ST/M ST TPE 61M  | 61000       |   |   |   |   |   |   |
|    | 1201089141 | E12A06004M650   | M12 4P XC TO DC M ST/M ST TPE 65M  | 65000       |   |   |   |   |   |   |
|    | 1201089142 | E12A06004M700   | M12 4P XC TO DC M ST/M ST TPE 70M  | 70000       |   |   |   |   |   |   |
|    | 1201089143 | E12A06004M760   | M12 4P XC TO DC M ST/M ST TPE 76M  | 76000       |   |   |   |   |   |   |
|    | 1201089144 | E12A06004M800   | M12 4P XC TO DC M ST/M ST TPE 80M  | 80000       |   |   |   |   |   |   |
|    | 1201089145 | E12A06004M850   | M12 4P XC TO DC M ST/M ST TPE 85M  | 85000       |   |   |   |   |   |   |
|    | 1201089160 | E12A06004M900   | M12 4P XC TO DC M ST/M ST TPE 90M  | 90000       |   |   |   |   |   |   |
|    |            |                 |                                    |             |   |   |   |   |   |   |
|    | 1201089146 | E12A06002M900   | M12 4P XC TO DC M ST/M ST PVC 90M  | 90000       |   |   |   |   |   |   |
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