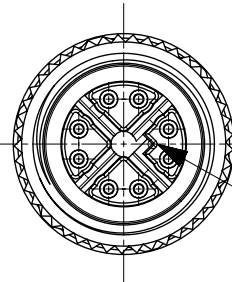


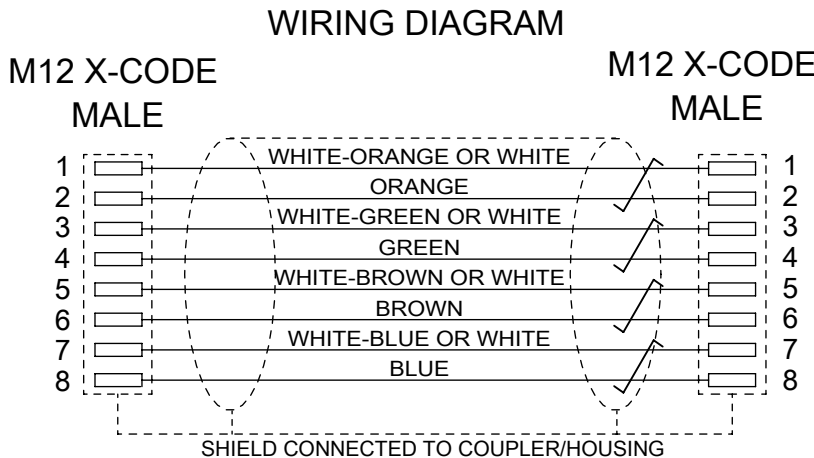
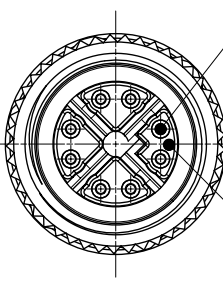
M12 X-CODE  
MALE  
FRONT VIEW



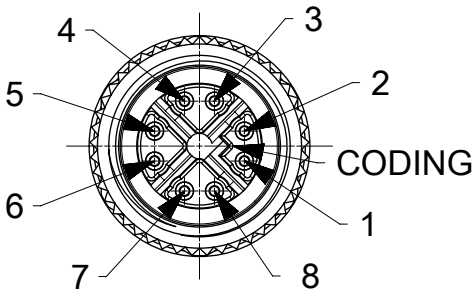
ARROW IN LINE WITH THE CODING  
BRAD LOGO ON OTHER SIDE

ID CARRIER ONLY FOR  
ENGINEERING NUMBERS  
WITH THE SUFFIX "H"

M12 X-CODE  
MALE  
FRONT VIEW



M12 X-CODE  
MALE  
FRONT VIEW



SCALE 1:2

NOTES:  
VOLTAGE RATING: 48 V  
CURRENT RATING: 0.5 A  
TEMPERATURE RATING:  
STATIC: -40 °C TO 80 °C  
DYNAMIC: -20 °C TO 80 °C  
IP RATING: IP 67 (IN MATED AND LOCKED CONDITION)  
TRANSMISSION CHARACTERISTICS ACCORDING TO ISO/IEC 11801 CLASS EA CHANNEL,  
WITH INSERTION LOSS BEING IGNORED FOR CABLE LENGTHS  $\leq 1$  m OR  $\geq 65$  m  
POWER TRANSMISSION TEST ACCORDING IEEE802.3bt UP TO 65m LENGTH  
PACKAGING: CORDSETS ARE PACKED IN A POLYBAG

BILL OF MATERIAL

| ITEM | QTY | DESCRIPTION              | MATERIAL      | FINISH/COLOR |
|------|-----|--------------------------|---------------|--------------|
| 1    | 1   | CABLE                    | PUR           | GREEN        |
| 2    | 16  | CONTACT 6 MALE           | BRASS         | Au OVER Ni   |
| 3    | -   | MOLDING MATERIAL         | TPU           | BLACK        |
| 4    | 2   | INSERT M12 CAT6A MALE 8P | PA6           | BLACK        |
| 5    | 2   | SHELL M12 CAT6A          | ZINC DIE-CAST | Ni PLATED    |
| 6    | 2   | NUT M12 MALE             | BRASS         | Ni PLATED    |
| 7    | 2   | I/D CARRIER              | PVC           | TRANSPARENT  |
| 8    | 1   | LABEL 2.0X1.75           | VINYL         | YELLOW       |

|                 |    |              |            |          |
|-----------------|----|--------------|------------|----------|
| DOCUMENT STATUS | P1 | RELEASE DATE | 2023/08/29 | 13:52:05 |
|-----------------|----|--------------|------------|----------|

| FUNCTIONAL SYMBOLS | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | CURRENT REV DESC:      | molex                                |  |  |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|------------------------|--------------------------------------|--|--|
| $\nabla_A = 0$     | DIMENSION UNITS                                                                                                                               | SCALE                  | CSE M12 CAT6A 8P XC MA STR PUR XM DE |  |  |
| $\nabla_E = 1$     | mm                                                                                                                                            | 2:1                    | PRODUCT CUSTOMER DRAWING             |  |  |
| $\nabla_F = 0$     | GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                                         | EC NO: 760691          | DOCUMENT NUMBER                      |  |  |
|                    | ANGULAR TOL $\pm 1.0^\circ$                                                                                                                   | DRWN: MBLOESER         | DOC TYPE                             |  |  |
|                    | 4 PLACES $\pm$                                                                                                                                | CHK'D: RSILLER         | DOC PART                             |  |  |
|                    | 3 PLACES $\pm$                                                                                                                                | APPR: RSILLER          | REVISION                             |  |  |
|                    | 2 PLACES $\pm 0.05$                                                                                                                           | INITIAL REVISION:      | 1203410300                           |  |  |
|                    | 1 PLACE $\pm 0.3$                                                                                                                             | DRWN: FGAIK            | PSD                                  |  |  |
|                    | 0 PLACES $\pm 0.5$                                                                                                                            | APPR: BBRAUCH          | 000                                  |  |  |
|                    | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS                                                                                          | THIRD ANGLE PROJECTION | A10                                  |  |  |
|                    |                                                                                                                                               | DRAWING                | SHEET NUMBER                         |  |  |
|                    |                                                                                                                                               | A3-SIZE                | 120341                               |  |  |
|                    |                                                                                                                                               | SERIES                 | SEE TABLE 1                          |  |  |
|                    |                                                                                                                                               | MATERIAL NUMBER        | GENERAL MARKET                       |  |  |
|                    |                                                                                                                                               | CUSTOMER               | 1 OF 2                               |  |  |

