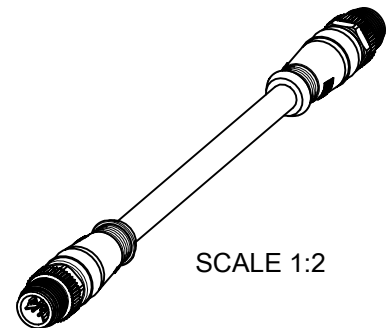
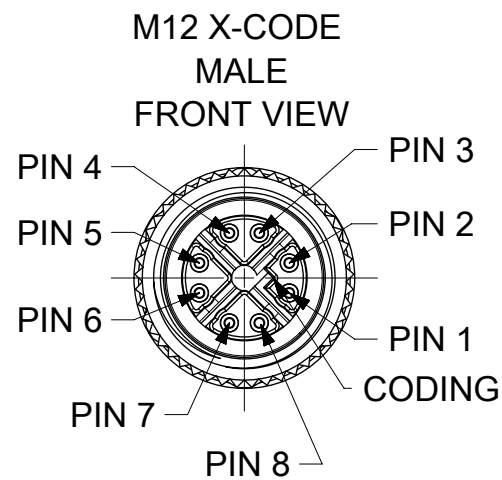
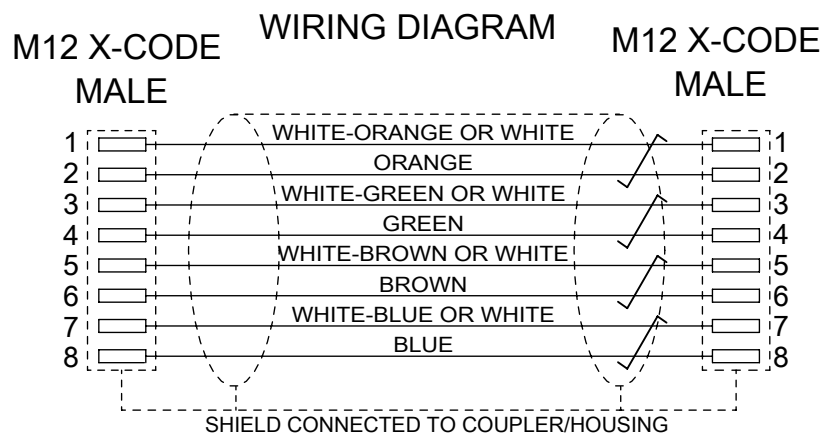
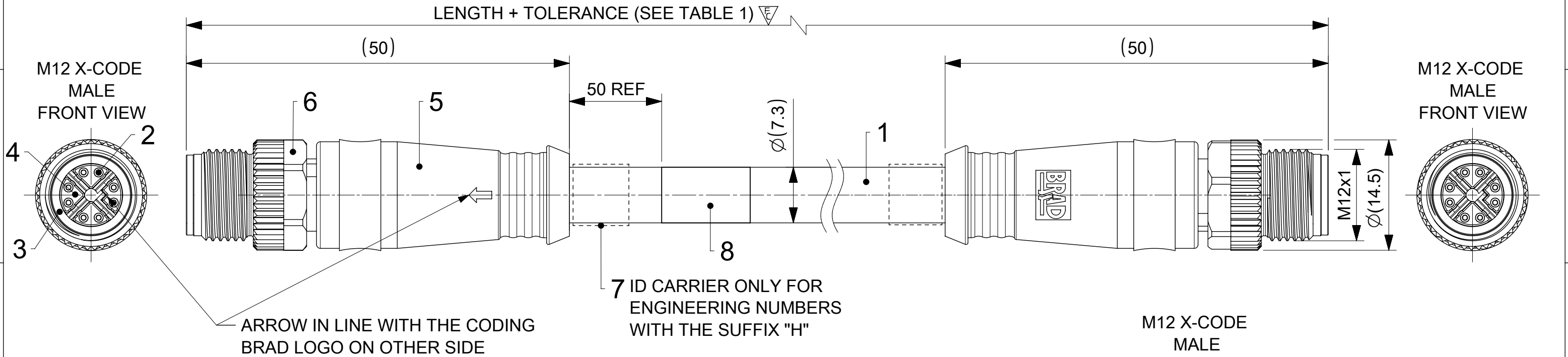


PART No. MATRIX

|                                           |   |                            |   |                                           |   |   |                          |   |                                   |   |                                                                    |   |   |                          |
|-------------------------------------------|---|----------------------------|---|-------------------------------------------|---|---|--------------------------|---|-----------------------------------|---|--------------------------------------------------------------------|---|---|--------------------------|
| E                                         | 2 | 2                          | E | 0                                         | 6 | 0 | 2                        | 1 | M                                 | X | X                                                                  | X | X |                          |
| E=ETHERNET/<br>Ethernet                   |   | HEADS:<br>1 = M12 D-Coding |   | HEADS STYLE:<br>060 = MALE STR / MALE STR |   |   | CABLE TYPE :<br>CABLE 21 |   | UNITS:<br>M= METER<br>T=10x METER |   | LENGTH EXAMPLES:<br>005=0.5 m<br>010=1 m<br>150=15 m<br>T100=100 m |   |   | H= 2 PCS. OF I/D Carrier |
| WIRING TYPE:<br>E=8 Pole (STRAIGHT WIRED) |   |                            |   |                                           |   |   |                          |   |                                   |   |                                                                    |   |   |                          |



| BILL OF MATERIAL |     |                            |              |                     |
|------------------|-----|----------------------------|--------------|---------------------|
| ITEM             | QTY | DESCRIPTION                | MATERIAL     | FINISH/COLOR        |
| 1                | 1   | CABLE 4X(2X AWG26/7) CAT 7 | TPE          | GREEN               |
| 2                | 16  | CONTACT M12 XC MALE        | BRASS        | Au PLATED           |
| 3                | 2   | SHIELD SLEEVE              | Zn           | Ni PLATED           |
| 4                | 2   | INSERT M12 XC MALE         | PA           | BLACK               |
| 5                | -   | MOULDING MATERIAL          | TPU          | BLACK               |
| 6                | 2   | M12 HYBRID COUPLING NUT    | BRASS        | Ni PLATED           |
| 7                | 2   | I/D CARRIER 6-10mmx30mm    | PVC          | TRANSPARENT         |
| 8                | 1   | LABEL 2.0X1.75             | VINYL        | YELLOW              |
| DOCUMENT STATUS  |     | P1                         | RELEASE DATE | 2022/01/25 10:26:15 |

| 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: NOTE CHANGED        |  | molex                             |  |  |  |
|------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|--------|---------------------------------------|--|-----------------------------------|--|--|--|
|                                                      | DIMENSION UNITS                                                                                                                               | SCALE  | GENERAL TOLERANCES (UNLESS SPECIFIED) |  | CSE M12 CAT6A 8P XC MA STR TPE XM |  |  |  |
| DIVISIONAL SYMBOLS                                   | mm                                                                                                                                            | 2:1    | ANGULAR TOL ± 1.0°                    |  | PRODUCT CUSTOMER DRAWING          |  |  |  |
|                                                      | 4 PLACES                                                                                                                                      | ±      | EC NO: 692351                         |  | DOCUMENT NUMBER                   |  |  |  |
|                                                      | 3 PLACES                                                                                                                                      | ±      | DRWN: ARPITT 2022/01/19               |  | 1203410863                        |  |  |  |
|                                                      | 2 PLACES                                                                                                                                      | ± 0.05 | CHK'D: RSILLER 2022/01/25             |  | PSD 000 A5                        |  |  |  |
|                                                      | 1 PLACE                                                                                                                                       | ± 0.3  | APPR: RSILLER 2022/01/25              |  | SHEET NUMBER                      |  |  |  |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | THIRD ANGLE PROJECTION                                                                                                                        |        | DRAWING                               |  | GENERAL MARKET                    |  |  |  |
|                                                      | A3-SIZE                                                                                                                                       |        | SERIES                                |  | 1 OF 2                            |  |  |  |

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TABLE 1

| MOLEX P/N  | ENGINEERING NO. | DESCRIPTION                        | LENGTH |
|------------|-----------------|------------------------------------|--------|
| 1203410941 | E22E06021M003   | M12 CAT6A M/M ST/ST TPE GREEN 0.3M | 300    |
| 1203410863 | E22E06021M005   | M12 CAT6A M/M ST/ST TPE GREEN 0.5M | 500    |
| 1203410864 | E22E06021M010   | M12 CAT6A M/M ST/ST TPE GREEN 1M   | 1000   |
| 1203410865 | E22E06021M020   | M12 CAT6A M/M ST/ST TPE GREEN 2M   | 2000   |
| 1203410866 | E22E06021M030   | M12 CAT6A M/M ST/ST TPE GREEN 3M   | 3000   |
| 1203410867 | E22E06021M040   | M12 CAT6A M/M ST/ST TPE GREEN 4M   | 4000   |
| 1203410868 | E22E06021M050   | M12 CAT6A M/M ST/ST TPE GREEN 5M   | 5000   |
| 1203410869 | E22E06021M060   | M12 CAT6A M/M ST/ST TPE GREEN 6M   | 6000   |
| 1203410895 | E22E06021M070   | M12 CAT6A M/M ST/ST TPE GREEN 7M   | 7000   |
| 1203410870 | E22E06021M080   | M12 CAT6A M/M ST/ST TPE GREEN 8M   | 8000   |
| 1203410896 | E22E06021M090   | M12 CAT6A M/M ST/ST TPE GREEN 9M   | 9000   |
| 1203410871 | E22E06021M100   | M12 CAT6A M/M ST/ST TPE GREEN 10M  | 10000  |
| 1203410942 | E22E06021M120   | M12 CAT6A M/M ST/ST TPE GREEN 12M  | 12000  |
| 1203410943 | E22E06021M140   | M12 CAT6A M/M ST/ST TPE GREEN 14M  | 14000  |
| 1203410872 | E22E06021M150   | M12 CAT6A M/M ST/ST TPE GREEN 15M  | 15000  |
| 1203410944 | E22E06021M180   | M12 CAT6A M/M ST/ST TPE GREEN 18M  | 18000  |
| 1203410873 | E22E06021M200   | M12 CAT6A M/M ST/ST TPE GREEN 20M  | 20000  |
| 1203410945 | E22E06021M230   | M12 CAT6A M/M ST/ST TPE GREEN 23M  | 23000  |
| 1203410946 | E22E06021M270   | M12 CAT6A M/M ST/ST TPE GREEN 27M  | 27000  |
| 1203410947 | E22E06021M300   | M12 CAT6A M/M ST/ST TPE GREEN 30M  | 30000  |
| 1203410948 | E22E06021M340   | M12 CAT6A M/M ST/ST TPE GREEN 34M  | 34000  |
| 1203410949 | E22E06021M380   | M12 CAT6A M/M ST/ST TPE GREEN 38M  | 38000  |
| 1203410950 | E22E06021M420   | M12 CAT6A M/M ST/ST TPE GREEN 42M  | 42000  |
| 1203410951 | E22E06021M460   | M12 CAT6A M/M ST/ST TPE GREEN 46M  | 46000  |
| 1203410952 | E22E06021M500   | M12 CAT6A M/M ST/ST TPE GREEN 50M  | 50000  |
| 1203410953 | E22E06021M540   | M12 CAT6A M/M ST/ST TPE GREEN 54M  | 54000  |
| 1203410954 | E22E06021M570   | M12 CAT6A M/M ST/ST TPE GREEN 57M  | 57000  |
| 1203410955 | E22E06021M610   | M12 CAT6A M/M ST/ST TPE GREEN 61M  | 61000  |
| 1203410956 | E22E06021M650   | M12 CAT6A M/M ST/ST TPE GREEN 65M  | 65000  |
| 1203410957 | E22E06021M700   | M12 CAT6A M/M ST/ST TPE GREEN 70M  | 70000  |

TABLE 1

WITH ID CARRIER

| MOLEX P/N  | ENGINEERING NO. | DESCRIPTION                           | LENGTH |
|------------|-----------------|---------------------------------------|--------|
| 1203410999 | E22E06021M005H  | M12 CAT6A M/M ST/ST TPE GREEN 0.5M-ID | 500    |
| 1203411031 | E22E06021M010H  | M12 CAT6A M/M ST/ST TPE GREEN 1M-ID   | 1000   |
| 1203411032 | E22E06021M020H  | M12 CAT6A M/M ST/ST TPE GREEN 2M-ID   | 2000   |
| 1203411033 | E22E06021M030H  | M12 CAT6A M/M ST/ST TPE GREEN 3M-ID   | 3000   |
| 1203411034 | E22E06021M040H  | M12 CAT6A M/M ST/ST TPE GREEN 4M-ID   | 4000   |
| 1203411003 | E22E06021M050H  | M12 CAT6A M/M ST/ST TPE GREEN 5M-ID   | 5000   |
| 1203411092 | E22E06021M060H  | M12 CAT6A M/M ST/ST TPE GREEN 6M-ID   | 6000   |
| 1203411093 | E22E06021M070H  | M12 CAT6A M/M ST/ST TPE GREEN 7M-ID   | 7000   |
| 1203411094 | E22E06021M080H  | M12 CAT6A M/M ST/ST TPE GREEN 8M-ID   | 8000   |
| 1203411000 | E22E06021M100H  | M12 CAT6A M/M ST/ST TPE GREEN 10M-ID  | 10000  |
| 1203411035 | E22E06021M120H  | M12 CAT6A M/M ST/ST TPE GREEN 12M-ID  | 12000  |
| 1203411036 | E22E06021M150H  | M12 CAT6A M/M ST/ST TPE GREEN 15M-ID  | 15000  |
| 1203411037 | E22E06021M200H  | M12 CAT6A M/M ST/ST TPE GREEN 20M-ID  | 20000  |
| 1203410918 | E22E06021M250H  | M12 CAT6A M/M ST/ST TPE GREEN 25M-ID  | 25000  |
| 1203410919 | E22E06021M300H  | M12 CAT6A M/M ST/ST TPE GREEN 30M-ID  | 30000  |
| 1203410920 | E22E06021M350H  | M12 CAT6A M/M ST/ST TPE GREEN 35M-ID  | 35000  |
| 1203410978 | E22E06021M400H  | M12 CAT6A M/M ST/ST TPE GREEN 40M-ID  | 40000  |
| 1203410979 | E22E06021M450H  | M12 CAT6A M/M ST/ST TPE GREEN 45M-ID  | 45000  |
| 1203410921 | E22E06021M500H  | M12 CAT6A M/M ST/ST TPE GREEN 50M-ID  | 50000  |
| 1203410980 | E22E06021M550H  | M12 CAT6A M/M ST/ST TPE GREEN 55M-ID  | 55000  |
| 1203411001 | E22E06021M600H  | M12 CAT6A M/M ST/ST TPE GREEN 60M-ID  | 60000  |
| 1203410981 | E22E06021M650H  | M12 CAT6A M/M ST/ST TPE GREEN 65M-ID  | 65000  |
| 1203410982 | E22E06021M700H  | M12 CAT6A M/M ST/ST TPE GREEN 70M-ID  | 70000  |
| 1203410983 | E22E06021M750H  | M12 CAT6A M/M ST/ST TPE GREEN 75M-ID  | 75000  |
| 1203411002 | E22E06021M850H  | M12 CAT6A M/M ST/ST TPE GREEN 85M-ID  | 85000  |
| 1203411038 | E22E06021M800H  | M12 CAT6A M/M ST/ST TPE GREEN 80M-ID  | 80000  |

NOTES:

VOLTAGE RATING: 48 V

CURRENT RATING: 0.5 A

TEMPERATURE RATING:

STATIC: -40 °C TO 80 °C

DYNAMIC: -25 °C TO 80 °C

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

TRANSMISSION CHARACTERISTICS ACCORDING TO ISO/IEC 11801 CLASS E<sub>A</sub> CHANNEL,

WITH INSERTION LOSS BEING IGNORED FOR CABLE LENGTHS  $\leq$ 1 m OR  $\geq$ 65 m

PACKAGING: CORDSETS ARE PACKED IN A POLYBAG

|                 |    |              |            |          |
|-----------------|----|--------------|------------|----------|
| DOCUMENT STATUS | P1 | RELEASE DATE | 2022/01/25 | 10:26:15 |
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CABLE LENGTH TOLERANCES

| LENGTH       | TOLERANCE  |
|--------------|------------|
| 0 m - 1 m    | +40 mm     |
| >1 m - 5 m   | +60 mm     |
| >5 m - 10 m  | +80 mm     |
| >10 m - 20 m | +140 mm    |
| >20 m - 30 m | +160 mm    |
| >30 m        | +1% length |

|                                                      |                                                                                                                                               |
|------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
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| $\nabla_A = 0$                                       | DIMENSION UNITS    SCALE                                                                                                                      |
| $\nabla_E = 0$                                       | mm    1:1                                                                                                                                     |
| $\nabla_F = 0$                                       | GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                                         |
| DIVISIONAL SYMBOLS                                   | ANGULAR TOL    ±    1.0 °                                                                                                                     |
|                                                      | 4 PLACES    ±                                                                                                                                 |
|                                                      | 3 PLACES    ±                                                                                                                                 |
|                                                      | 2 PLACES    ± 0.05                                                                                                                            |
|                                                      | 1 PLACE    ± 0.3                                                                                                                              |
|                                                      | 0 PLACES    ± 0.5                                                                                                                             |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | THIRD ANGLE PROJECTION    DRAWING    SERIES    MATERIAL NUMBER    CUSTOMER    SHEET NUMBER                                                    |
|                                                      | A3-SIZE    120341    SEE TABLE 1    GENERAL MARKET    2 OF 2                                                                                  |

EC NO: 692351

DRWN: ARPITT

CHK'D: RSILLER

APPR: RSILLER

2022/01/19

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INITIAL REVISION:

DRWN: RSCHIEBER

APPR: RSILLER

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