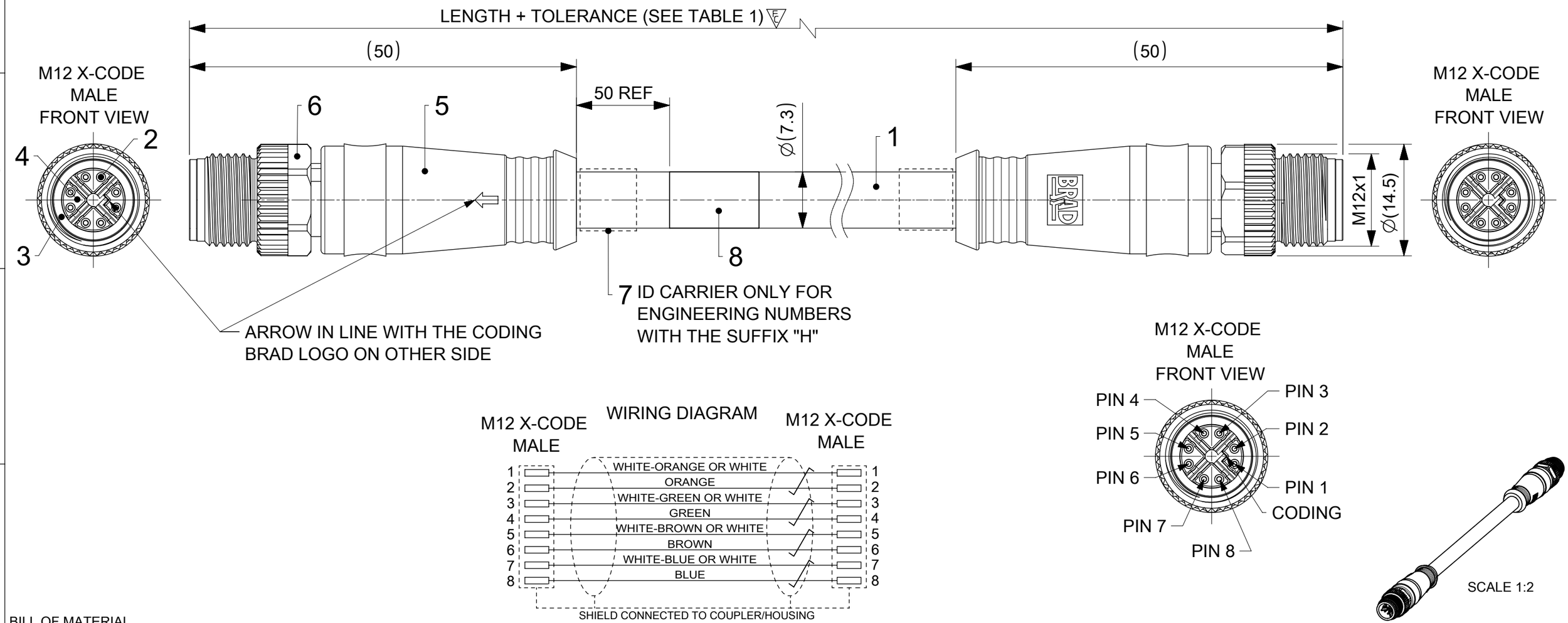
# PART No. MATRIX

| E | 2 | 2 | E | 0 | 6 | 0 | 2 | 1 | M | X | X | X | X |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

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













BILL OF MATERIAL

| ITEM | QTY | DESCRIPTION | MATERIAL | FINISH/COLOR |
|---|---|---|---|---|
| 1 | 1 | CABLE 4X(2X AWG26/7) CAT 7 | TPE | GREEN TEAL SIMILAR RAL6026 |
| 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 | 2024/03/21 10:35:13 |
|---|---|---|---|

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

FUNCTIONAL SYMBOLS: FA = 0; FC = 1; FD = 0

DIVISIONAL SYMBOLS

| DIMENSION UNITS | SCALE |
|---|---|
| mm | 2:1 |

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | |
|---|---|
| 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

CURRENT REV DESC: CABLE COLOR UPDATED

EC NO: 780754
DRWN: RSCHIEBER 2024/03/20
CHK'D: RSILLER 2024/03/21
APPR: RSILLER 2024/03/21

INITIAL REVISION:
DRWN: RSCHIEBER 2019/05/13
APPR: RSILLER 2020/12/09

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 120341

molex

CSE M12 CAT6A 8P XC MA STR TPE XM

PRODUCT CUSTOMER DRAWING

| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
|---|---|---|---|
| 1203410863 | PSD | 000 | A8 |

| MATERIAL NUMBER | CUSTOMER | SHEET NUMBER |
|---|---|---|
| SEE TABLE 1 | GENERAL MARKET | 1 OF 2 |

FORMAT: master-Sheet-A3
REVISION: J
DATE: 2020/01/16

TABLE 1

| MOLEX P/N | ENGINEERING NO. | DESCRIPTION | LENGTH |
|---|---|---|---|
| 1203410941 | E22E06021M003 | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 0.3M | 300 |
| 1203410863 | E22E06021M005 | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 0.5M | 500 |
| 1203410864 | E22E06021M010 | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 1M | 1000 |
| 1203410865 | E22E06021M020 | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 2M | 2000 |
| 1203410866 | E22E06021M030 | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 3M | 3000 |
| 1203410867 | E22E06021M040 | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 4M | 4000 |
| 1203410868 | E22E06021M050 | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 5M | 5000 |
| 1203410869 | E22E06021M060 | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 6M | 6000 |
| 1203410895 | E22E06021M070 | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 7M | 7000 |
| 1203410870 | E22E06021M080 | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 8M | 8000 |
| 1203410896 | E22E06021M090 | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 9M | 9000 |
| 1203410871 | E22E06021M100 | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 10M | 10000 |
| 1203410942 | E22E06021M120 | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 12M | 12000 |
| 1203410943 | E22E06021M140 | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 14M | 14000 |
| 1203410872 | E22E06021M150 | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 15M | 15000 |
| 1203410944 | E22E06021M180 | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 18M | 18000 |
| 1203410873 | E22E06021M200 | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 20M | 20000 |
| 1203410945 | E22E06021M230 | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 23M | 23000 |
| 1203410946 | E22E06021M270 | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 27M | 27000 |
| 1203410947 | E22E06021M300 | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 30M | 30000 |
| 1203410948 | E22E06021M340 | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 34M | 34000 |
| 1203410949 | E22E06021M380 | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 38M | 38000 |
| 1203410950 | E22E06021M420 | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 42M | 42000 |
| 1203410951 | E22E06021M460 | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 46M | 46000 |
| 1203410952 | E22E06021M500 | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 50M | 50000 |
| 1203410953 | E22E06021M540 | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 54M | 54000 |
| 1203410954 | E22E06021M570 | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 57M | 57000 |
| 1203410955 | E22E06021M610 | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 61M | 61000 |
| 1203410956 | E22E06021M650 | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 65M | 65000 |
| 1203410957 | E22E06021M700 | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 70M | 70000 |
| 1203411133 | E22E06021M950 | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 95M | 95000 |

TABLE 1

| WITH ID CARRIER | | | |
|---|---|---|---|
| MOLEX P/N | ENGINEERING NO. | DESCRIPTION | LENGTH |
| 1203410999 | E22E06021M005H | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 0.5M-ID | 500 |
| 1203411031 | E22E06021M010H | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 1M-ID | 1000 |
| 1203411032 | E22E06021M020H | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 2M-ID | 2000 |
| 1203411033 | E22E06021M030H | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 3M-ID | 3000 |
| 1203411034 | E22E06021M040H | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 4M-ID | 4000 |
| 1203411003 | E22E06021M050H | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 5M-ID | 5000 |
| 1203411092 | E22E06021M060H | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 6M-ID | 6000 |
| 1203411093 | E22E06021M070H | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 7M-ID | 7000 |
| 1203411094 | E22E06021M080H | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 8M-ID | 8000 |
| 1203411000 | E22E06021M100H | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 10M-ID | 10000 |
| 1203411035 | E22E06021M120H | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 12M-ID | 12000 |
| 1203411036 | E22E06021M150H | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 15M-ID | 15000 |
| 1203411037 | E22E06021M200H | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 20M-ID | 20000 |
| 1203410918 | E22E06021M250H | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 25M-ID | 25000 |
| 1203410919 | E22E06021M300H | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 30M-ID | 30000 |
| 1203410920 | E22E06021M350H | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 35M-ID | 35000 |
| 1203410978 | E22E06021M400H | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 40M-ID | 40000 |
| 1203410979 | E22E06021M450H | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 45M-ID | 45000 |
| 1203410921 | E22E06021M500H | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 50M-ID | 50000 |
| 1203410980 | E22E06021M550H | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 55M-ID | 55000 |
| 1203411001 | E22E06021M600H | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 60M-ID | 60000 |
| 1203410981 | E22E06021M650H | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 65M-ID | 65000 |
| 1203410982 | E22E06021M700H | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 70M-ID | 70000 |
| 1203410983 | E22E06021M750H | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 75M-ID | 75000 |
| 1203411002 | E22E06021M850H | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 85M-ID | 85000 |
| 1203411038 | E22E06021M800H | M12 CAT6A M/M ST/ST TPE GREEN TEAL SIMILAR RAL6026 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 $E_A$ CHANNEL, WITH INSERTION LOSS BEING IGNORED FOR CABLE LENGTHS ∠1 m OR ∖65 m
PRODUCT POE++ PERFORMANCED TESTED UP TO 65m LENGTH
PACKAGING: CORDSETS ARE PACKED IN A POLYBAG

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 |

FUNCTIONAL SYMBOLS
FA = 0
FC = 0
FD = 0
DIVISIONAL SYMBOLS

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DIMENSION UNITS: mm | SCALE: 1:1
GENERAL TOLERANCES (UNLESS SPECIFIED)
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

CURRENT REV DESC: CABLE COLOR UPDATED
EC NO: 780754
DRWN: RSCHIEBER 2024/03/20
CHK'D: RSILLER 2024/03/21
APPR: RSILLER 2024/03/21
INITIAL REVISION:
DRWN: RSCHIEBER 2019/05/13
APPR: RSILLER 2020/12/09

molex

CSE M12 CAT6A 8P XC MA STR TPE XM

PRODUCT CUSTOMER DRAWING

| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
|---|---|---|---|
| 1203410863 | PSD | 000 | A8 |

| THIRD ANGLE PROJECTION | DRAWING | SERIES | MATERIAL NUMBER | CUSTOMER | SHEET NUMBER |
|---|---|---|---|---|---|
| | A3-SIZE | 120341 | SEE TABLE 1 | GENERAL MARKET | 2 OF 2 |

| DOCUMENT STATUS | P1 | RELEASE DATE | 2024/03/21 10:35:13 |
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