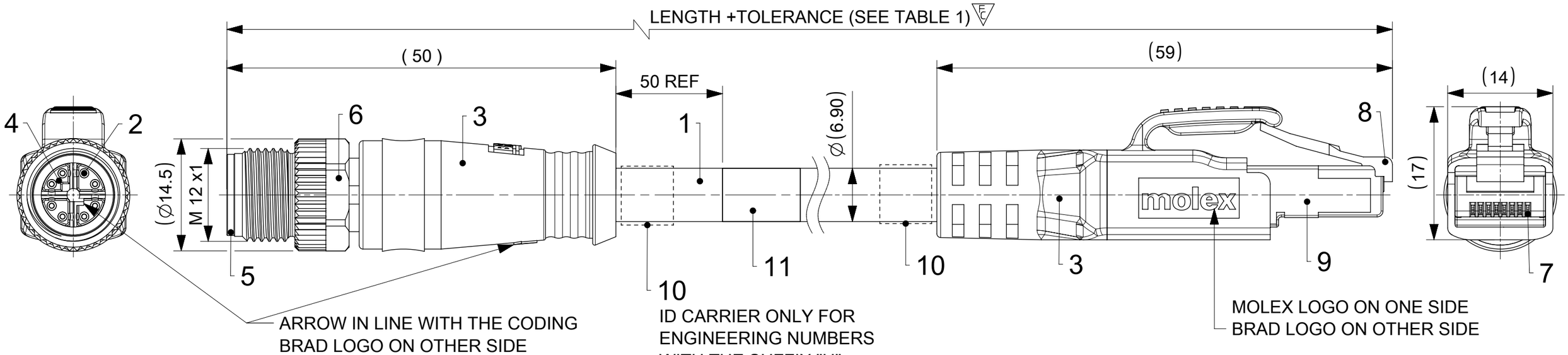
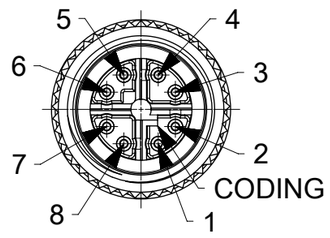
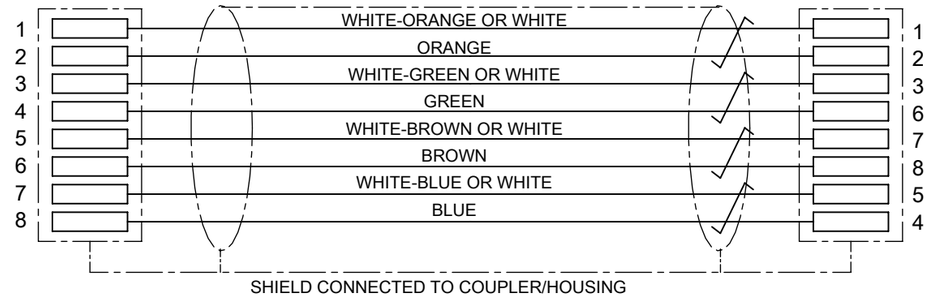


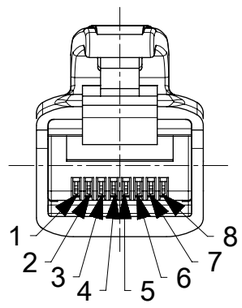

M12 X-CODE
MALE
FRONT VIEW



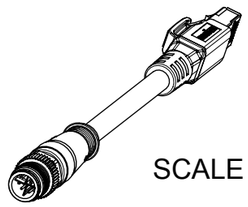

WIRING DIAGRAM




RJ45 PLUG
FRONT VIEW




NOTES:
VOLTAGE RATING: 30 V A.C. OR 42 V D.C.
CURRENT RATING: 0.5 A
TEMPERATURE RATING:
STATIC: -40 °C TO 80 °C
DYNAMIC: -20 °C TO 80 °C
IP RATING:
M12 SIDE IP 67 (IN MATED AND LOCKED CONDITION)
RJ45 SIDE IP 20
TRANSMISSION CHARACTERISTICS ACCORDING TO ISO/IEC 11801 CLASS $E_A$ CHANNEL,
WITH INSERTION LOSS BEING IGNORED FOR CABLE LENGTHS ⩤1 m OR ⩥65 m
PACKAGING: CORDSETS ARE PACKED IN A POLYBAG



SCALE 1:2

BILL OF MATERIAL

| ITEM | QTY | DESCRIPTION | MATERIAL | FINISH/COLOR |
|---|---|---|---|---|
| 1 | 1 | CABLE | PUR | GREEN |
| 2 | 8 | CONTACT 6 MALE | BRASS | Au OVER Ni |
| 3 | - | OVERMOLD | TPU | BLACK |
| 4 | 1 | INSERT M12 CAT6A MALE 8P | PA6 | BLACK |
| 5 | 1 | SHELL M12 CAT6A | ZINC DIE-CAST | Ni PLATED |
| 6 | 1 | NUT M12 MALE | BRASS | Ni PLATED |
| 7 | 1 | CONTACT RJ45 | PHOSPHOR BRONZE | SELECTIVE Au PLATED |
| 8 | 1 | PLUG RJ45 | - | - |
| 9 | 1 | SHIELD | BRASS | TIN |
| 10 | 2 | ID CARRIER | PVC | TRANSPARENT |
| 11 | 1 | LABEL 2.0X1.75 | VINYL | YELLOW |

| DOCUMENT STATUS | P1 | RELEASE DATE | 2022/01/25 10:26:20 |
|---|---|---|---|

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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: NOTE CHANGED

EC NO: 692351
DRWN: ARPITT 2022/01/18
CHK'D: RSILLER 2022/01/25
APPR: RSILLER 2022/01/25

INITIAL REVISION:
DRWN: FGAIK 2017/06/20
APPR: BBRAUCH 2017/06/27

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

molex

CSE M12 CAT6A RJ45 8P XC MA STR PUR XM

PRODUCT CUSTOMER DRAWING

| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
|---|---|---|---|
| 1203410500 | PSD | 000 | A9 |

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

FORMAT: molex_Size_A3
REVISION: J
DATE: 2020/01/14

TABLE 1

| MOLEX PN | ENGINEERING NO. | DESCRIPTION | LENGTH [mm] |
|---|---|---|---|
| 1203410500 | E26E06020M005 | M12 CAT6A M/RJ45 ST/ST PUR GREEN 0.5M | 500 |
| 1203410501 | E26E06020M010 | M12 CAT6A M/RJ45 ST/ST PUR GREEN 1M | 1000 |
| 1203410502 | E26E06020M020 | M12 CAT6A M/RJ45 ST/ST PUR GREEN 2M | 2000 |
| 1203410503 | E26E06020M030 | M12 CAT6A M/RJ45 ST/ST PUR GREEN 3M | 3000 |
| 1203410504 | E26E06020M040 | M12 CAT6A M/RJ45 ST/ST PUR GREEN 4M | 4000 |
| 1203410505 | E26E06020M050 | M12 CAT6A M/RJ45 ST/ST PUR GREEN 5M | 5000 |
| 1203410860 | E26E06020M070 | M12 CAT6A M/RJ45 ST/ST PUR GREEN 7M | 7000 |
| 1203410506 | E26E06020M100 | M12 CAT6A M/RJ45 ST/ST PUR GREEN 10M | 10000 |
| 1203410507 | E26E06020M150 | M12 CAT6A M/RJ45 ST/ST PUR GREEN 15M | 15000 |
| 1203410508 | E26E06020M200 | M12 CAT6A M/RJ45 ST/ST PUR GREEN 20M | 20000 |
| 1203410511 | E26E06020M230 | M12 CAT6A M/RJ45 ST/ST PUR GREEN 23M | 23000 |
| 1203410861 | E26E06020M250 | M12 CAT6A M/RJ45 ST/ST PUR GREEN 25M | 25000 |
| 1203410509 | E26E06020M300 | M12 CAT6A M/RJ45 ST/ST PUR GREEN 30M | 30000 |
| 1203410510 | E26E06020M400 | M12 CAT6A M/RJ45 ST/ST PUR GREEN 40M | 40000 |
| 1203410568 | E26E06020M500 | M12 CAT6A M/RJ45 ST/ST PUR GREEN 50M | 50000 |
| 1203410569 | E26E06020M600 | M12 CAT6A M/RJ45 ST/ST PUR GREEN 60M | 60000 |
| 1203410570 | E26E06020M700 | M12 CAT6A M/RJ45 ST/ST PUR GREEN 70M | 70000 |
| WITH ID CARRIER | | | |
| 1203410572 | E26E06020M005H | M12 CAT6A M/RJ45 ST/ST PUR GREEN 0.5M | 500 |
| 1203410573 | E26E06020M010H | M12 CAT6A M/RJ45 ST/ST PUR GREEN 1M | 1000 |
| 1203410574 | E26E06020M020H | M12 CAT6A M/RJ45 ST/ST PUR GREEN 2M | 2000 |
| 1203410575 | E26E06020M030H | M12 CAT6A M/RJ45 ST/ST PUR GREEN 3M | 3000 |
| 1203410576 | E26E06020M040H | M12 CAT6A M/RJ45 ST/ST PUR GREEN 4M | 4000 |
| 1203410577 | E26E06020M050H | M12 CAT6A M/RJ45 ST/ST PUR GREEN 5M | 5000 |
| 1203410936 | E26E06020M065H | M12 CAT6A M/RJ45 ST/ST PUR GREEN 6.5M | 6500 |
| 1203410578 | E26E06020M100H | M12 CAT6A M/RJ45 ST/ST PUR GREEN 10M | 10000 |
| 1203410937 | E26E06020M110H | M12 CAT6A M/RJ45 ST/ST PUR GREEN 11M | 11000 |
| 1203410938 | E26E06020M120H | M12 CAT6A M/RJ45 ST/ST PUR GREEN 12M | 12000 |
| 1203410939 | E26E06020M130H | M12 CAT6A M/RJ45 ST/ST PUR GREEN 13M | 13000 |
| 1203410579 | E26E06020M150H | M12 CAT6A M/RJ45 ST/ST PUR GREEN 15M | 15000 |
| 1203410580 | E26E06020M200H | M12 CAT6A M/RJ45 ST/ST PUR GREEN 20M | 20000 |
| 1203410583 | E26E06020M230H | M12 CAT6A M/RJ45 ST/ST PUR GREEN 23M | 23000 |
| 1203410581 | E26E06020M300H | M12 CAT6A M/RJ45 ST/ST PUR GREEN 30M | 30000 |
| 1203410582 | E26E06020M400H | M12 CAT6A M/RJ45 ST/ST PUR GREEN 40M | 40000 |
| 1203410974 | E26E06020M450H | M12 CAT6A M/RJ45 ST/ST PUR GREEN 45M | 45000 |
| 1203410584 | E26E06020M500H | M12 CAT6A M/RJ45 ST/ST PUR GREEN 50M | 50000 |
| 1203410585 | E26E06020M600H | M12 CAT6A M/RJ45 ST/ST PUR GREEN 60M | 60000 |
| 1203410976 | E26E06020M650H | M12 CAT6A M/RJ45 ST/ST PUR GREEN 65M | 65000 |
| 1203410586 | E26E06020M700H | M12 CAT6A M/RJ45 ST/ST PUR GREEN 70M | 70000 |
| 1203410914 | E26E06020M800H | M12 CAT6A M/RJ45 ST/ST PUR GREEN 80M | 80000 |
| 1203410977 | E26E06020M850H | M12 CAT6A M/RJ45 ST/ST PUR GREEN 85M | 85000 |

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

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

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | |
|---|---|
| ANGULAR TOL | ± 1.0 ° |
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| 3 PLACES | ± |
| 2 PLACES | ± 0.05 |
| 1 PLACE | ± 0.3 |
| 0 PLACES | ± 0.5 |

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molex

CSE M12 CAT6A RJ45 8P XC MA STR PUR XM

PRODUCT CUSTOMER DRAWING

| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
|---|---|---|---|
| 1203410500 | PSD | 000 | A9 |

| 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 | 2022/01/25 10:26:20 |
|---|---|---|---|

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REVISION: J
DATE: 2020/01/1