

## F



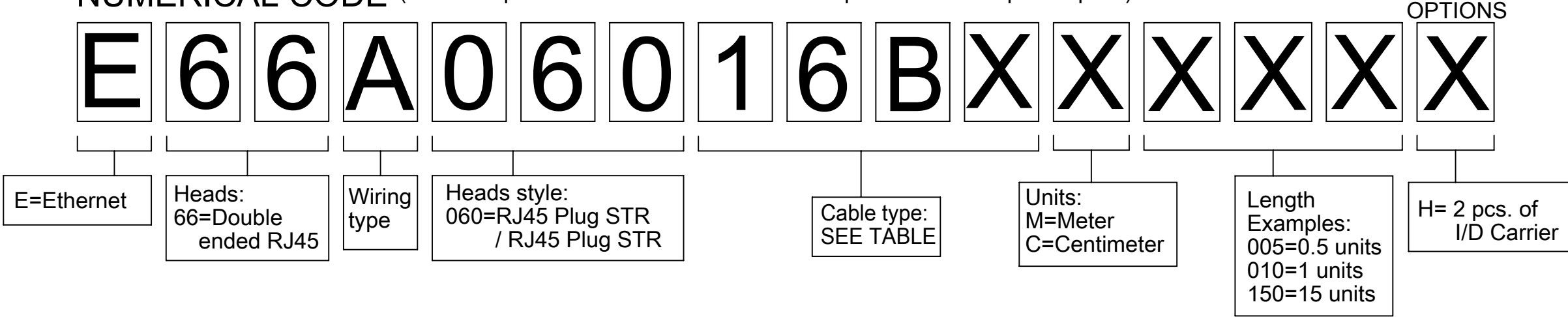
## B

- A



10

NUMERICAL CODE (Available parts see PART LIST table. Other parts available upon request)



CABLE INFORMATION (for more information see Cable Data Sheet).

| CABLE TYPE | MOLEX PN   | CABLE O.D. | APPLICATION | CROSS SECTION | CABLE JACKET   | UL          | TEMP. RANGE STATIC BENDING RADIUS STATIC | CYCLES                                 | ADITIONAL INFORMATION | RJ45 MOLEX PN |
|------------|------------|------------|-------------|---------------|----------------|-------------|------------------------------------------|----------------------------------------|-----------------------|---------------|
| 16BK       | 1202098649 | 6.5mm      | -           | 24AWG         | PUR BLACK      | STYLE 21215 | -40°C to +80°C / min.6xO.D.              | 1M, min.10xO.D. / 2M min.20xO.D. @20°C | WSOR                  | 1301980179    |
| 16         | 1302110136 | 6.5mm      | -           | 24AWG         | TPU BASED TEAL | STYLE 21215 | -40°C to +80°C / min.6xO.D.              | 1M, min.10xO.D. / 2M min.20xO.D. @20°C | WSOR                  | 1301980179    |

PART LIST

| Part No.   | Engineering No. | Cable Length(m) |
|------------|-----------------|-----------------|
| 1201088967 | E66A06016BKM005 | 0,5m            |
| 1201088968 | E66A06016BKM010 | 1m              |
| 1201088969 | E66A06016BKM020 | 2m              |
| 1201088970 | E66A06016BKM030 | 3m              |
| 1201088971 | E66A06016BKM050 | 5m              |
| 1201088972 | E66A06016BKM100 | 10m             |
|            |                 |                 |
| 1201088532 | E66A06016M005   | 0.5m            |
| 1201088556 | E66A06016M003   | 0.3m            |
| 1201088557 | E66A06016M006   | 0.6m            |
| 1201088474 | E66A06016M010   | 1m              |
| 1201088475 | E66A06016M020   | 2m              |
| 1201088476 | E66A06016M030   | 3m              |
| 1201088477 | E66A06016M040   | 4m              |
| 1201088478 | E66A06016M050   | 5m              |
| 1201088479 | E66A06016M060   | 6m              |
| 1201088480 | E66A06016M080   | 8m              |
| 1201088481 | E66A06016M090   | 9m              |
| 1201088482 | E66A06016M100   | 10m             |

| Part No.   | Engineering No. | Cable Length |
|------------|-----------------|--------------|
| 1201088483 | E66A06016M120   | 12m          |
| 1201088484 | E66A06016M150   | 15m          |
| 1201088485 | E66A06016M200   | 20m          |
| 1201088486 | E66A06016M250   | 25m          |
| 1201088487 | E66A06016M300   | 30m          |
| 1201088488 | E66A06016M350   | 35m          |
| 1201088489 | E66A06016M400   | 40m          |
| 1201088490 | E66A06016M450   | 45m          |
| 1201088491 | E66A06016M500   | 50m          |
| 1201088492 | E66A06016M550   | 55m          |
| 1201088493 | E66A06016M600   | 60m          |
| 1201088494 | E66A06016M650   | 65m          |
| 1201088495 | E66A06016M700   | 70m          |
| 1201088496 | E66A06016M750   | 75m          |
| 1201088497 | E66A06016M800   | 80m          |
| 1201088528 | E66A06016M850   | 85m          |
| 1201088529 | E66A06016M900   | 90m          |

TABLE 2

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

|                                                                                                                                                                                  |                                                                                                                                               |  |        |  |                                                                                                                                                                                                      |         |         |        |        |                 |                 |                |          |     |          |              |          |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|--|--------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|---------|--------|--------|-----------------|-----------------|----------------|----------|-----|----------|--------------|----------|
| FUNCTIONAL SYMBOLS                                                                                                                                                               | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |        |  |                                                                                                                                                                                                      |         |         |        |        |                 |                 |                |          |     |          |              |          |
| <div><div><div><div></div></div></div><div>= 0</div></div> <div><div><div><div></div></div></div><div>= 0</div></div> <div><div><div><div></div></div></div><div>= 0</div></div> | DIMENSION UNITS                                                                                                                               |  | SCALE  |  | CURRENT REV DESC:<br><br>EC NO: 718371<br>DRWN: MBLOESER2022/08/19<br>CHK'D: RSILLER2022/08/22<br>APPR: RSILLER2022/08/22<br><br>INITIAL REVISION:<br>DRWN: SSM2021/08/04<br>APPR: RSILLER2021/12/21 |         |         |        |        |                 |                 |                |          |     |          |              |          |
|                                                                                                                                                                                  | mm                                                                                                                                            |  | 1:1    |  |                                                                                                                                                                                                      |         |         |        |        |                 |                 |                |          |     |          |              |          |
|                                                                                                                                                                                  | GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                                         |  |        |  |                                                                                                                                                                                                      |         |         |        |        |                 |                 |                |          |     |          |              |          |
| ANGULAR TOL ± 1.0 °                                                                                                                                                              |                                                                                                                                               |  |        |  |                                                                                                                                                                                                      |         |         |        |        |                 |                 |                |          |     |          |              |          |
| DIVISIONAL SYMBOLS                                                                                                                                                               | 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 |                 | DOCUMENT NUMBER |                | DOC TYPE |     | DOC PART |              | REVISION |
|                                                                                                                                                                                  |                                                                                                                                               |  |        |  |                                                                                                                                                                                                      | A3-SIZE |         | 120108 |        | 1201088967      |                 | PSD            |          | 000 |          | A3           |          |
|                                                                                                                                                                                  |                                                                                                                                               |  |        |  |                                                                                                                                                                                                      |         |         |        |        | MATERIAL NUMBER |                 | CUSTOMER       |          |     |          | SHEET NUMBER |          |
|                                                                                                                                                                                  |                                                                                                                                               |  |        |  |                                                                                                                                                                                                      |         |         |        |        | SEE PART LIST   |                 | GENERAL MARKET |          |     |          | 2 OF 2       |          |

|                 |    |              |            |          |
|-----------------|----|--------------|------------|----------|
| DOCUMENT STATUS | P1 | RELEASE DATE | 2022/08/22 | 07:20:41 |
|-----------------|----|--------------|------------|----------|

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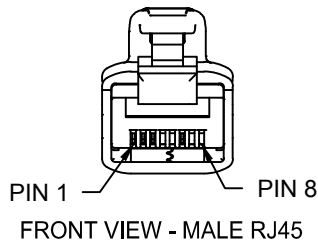
D

C

B

A

| MATERIAL NUMBER | ENG. NUMBER   | FINISHED LENGTH [M] |
|-----------------|---------------|---------------------|
| 1201088474      | E66A06016M010 | 1.0 M               |
| 1201088486      | E66A06016M250 | 25.0 M              |



NOTES:

STANDARDS:  
PROTECTION: IP20

WRAP LABEL:  
MARKED WITH P/N, DATE CODE, VOLTAGE & AMPERAGE

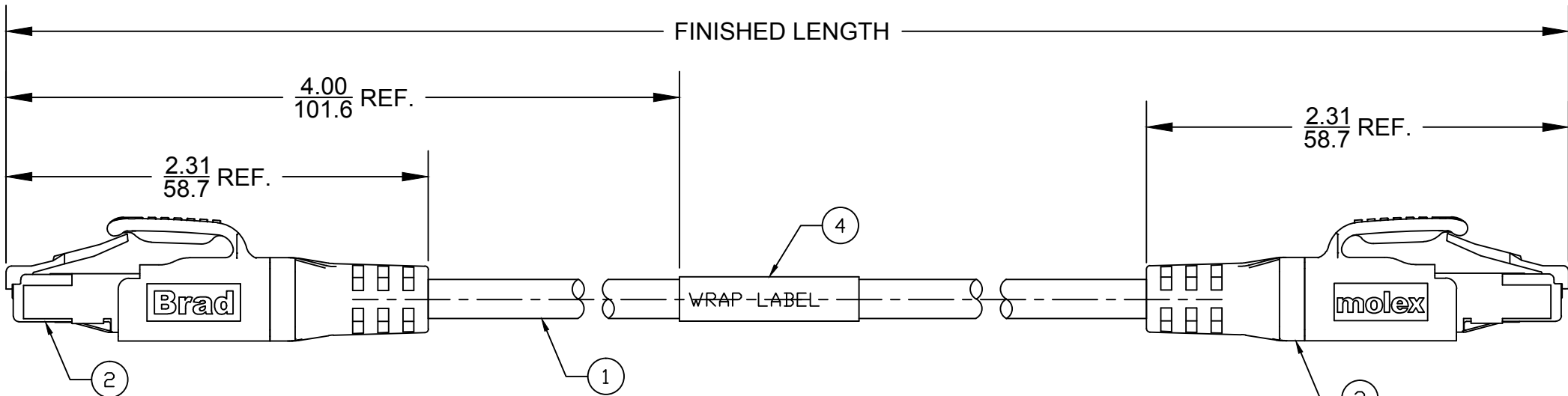
ELECTRICAL  
ACCORDING TO CAT5e  
VOLTAGE RATING: 125V AC/DC  
AMPERAGE: 1.5A

ADDITIONAL CABLE INFORMATION

| PHYSICAL CHARACTERISTICS: |                                                             |
|---------------------------|-------------------------------------------------------------|
| CONDUCTOR SIZE            | 24AWG 2 PAIR (19/0.12mm) BARE COPPER                        |
| INSULATION MATERIAL       | POLYOLEFIN                                                  |
| SHIELD/BRAID              | TINNED COPPER 85% COVERAGE                                  |
| JACKET MATERIAL           | TPU (TEAL)                                                  |
| CONDUCTOR TAPE            | ORANGE-ORANGE-WHITE & GREEN, GREEN-WHITE ALUMINUM-POLYESTER |

| CABLE:                         |                        |
|--------------------------------|------------------------|
| TEMPERATURE RATING (STORAGE)   | -40 / +80°C            |
| TEMPERATURE RATING (OPERATION) | -20 / +50°C            |
| WELD SLAG RESISTANCE           | YES, S-300 MOLEX TEST  |
| FREE SUBSTANCE'S               | FCKW, SILICONE, AND PB |
| FIRE PERFORMANCE               | IEC60332-1, UL1581     |
| OIL RESISTANCE                 | ISO6722, UL758/2556    |

| 4    | LABEL         | VINYL         | BLACK/YELLOW |
|------|---------------|---------------|--------------|
| 3    | RJ45 OVERMOLD | TPU           | BLACK        |
| 2    | RJ45 PLUG     | POLYCARBONATE | CLEAR        |
| 1    | CABLE         | TPU           | TEAL         |
| ITEM | DESCRIPTION   | MATERIAL      | FINISH       |



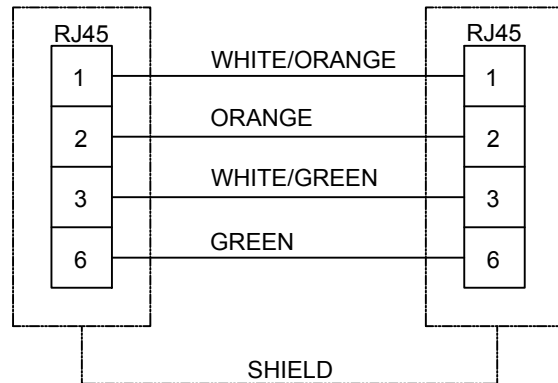
PART MATRIX

CABLE TYPE  
24 AWG TPU-TEAL

E66A06016M005

LENGTH  
M005 = 0.5M  
M050 = 5M  
M250 = 25M

| CABLE LENGTH TOLERANCES  |            |                    |
|--------------------------|------------|--------------------|
| >.3M [1FT]:              | +19mm-0    | [+.75in-0]         |
| .3 - .9M [1 - 3FT]:      | +44.5mm-0  | [+1.75in-0]        |
| .9 - 1.8M [3 - 6FT]:     | +55.6mm-0  | [+2.19in-0]        |
| 1.8 - 3.7M [6 - 12FT]:   | +88.9mm-0  | [+3.50in-0]        |
| 3.7 - 7.3M [12 - 24FT]:  | +165.1mm-0 | [+6.50in-0]        |
| 7.3-14.6M [24 - 48FT]:   | +317.5mm-0 | [+12.50in-0]       |
| 14.6 - 30.5M [48-100FT]: | +622.3mm-0 | [+24.50in-0]       |
| OVER 30M [100FT]         | +2%        | OF FINISHED LENGTH |



WIRING DIAGRAM

|                                                                                                                                   |             |                                                   |                                                            |      |      |                          |                                                                                                                               |                                                               |                      |                        |           |  |
|-----------------------------------------------------------------------------------------------------------------------------------|-------------|---------------------------------------------------|------------------------------------------------------------|------|------|--------------------------|-------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|----------------------|------------------------|-----------|--|
| ADD TOLERANCE BLOCK<br>EC NO: IPG2019-0328<br>DRWN: MZIELINS 2019/01/10<br>CHKD: CCHRASTK 2019/01/10<br>APPR: BWOODMAN 2015/06/03 | DESCRIPTION | QUALITY SYMBOLS<br><div>▽=0</div> <div>▽C=0</div> | GENERAL TOLERANCES (UNLESS SPECIFIED)                      |      |      | DIMENSION STYLE<br>IN/MM |                                                                                                                               | SCALE<br>NTS                                                  | DESIGN UNITS<br>INCH | THIRD ANGLE PROJECTION |           |  |
|                                                                                                                                   |             |                                                   |                                                            | mm   | INCH | DRAWN BY                 | DATE                                                                                                                          | TITLE<br>ETHERNET<br>MALE RJ45/RJ45<br>#24-2TP TEAL PUR CAT5E |                      |                        |           |  |
|                                                                                                                                   |             |                                                   | 4 PLACES                                                   | ±--- | ±--- | MZIELINS                 | 2015/05/05                                                                                                                    |                                                               |                      |                        |           |  |
|                                                                                                                                   |             |                                                   | 3 PLACES                                                   | ±--- | ±--- | CHECKED BY               | DATE                                                                                                                          |                                                               |                      |                        |           |  |
|                                                                                                                                   |             |                                                   | 2 PLACES                                                   | ±--- | ±--- | BARDEN                   | 2015/06/04                                                                                                                    |                                                               |                      |                        |           |  |
|                                                                                                                                   |             |                                                   | 1 PLACE                                                    | ±--- | ±--- | APPROVED BY              | DATE                                                                                                                          | molex MOLEX INCORPORATED                                      |                      |                        |           |  |
|                                                                                                                                   |             |                                                   | ANGULAR ±---°                                              |      |      | BWOODMAN                 | 2015/06/03                                                                                                                    |                                                               |                      |                        |           |  |
|                                                                                                                                   |             |                                                   | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |      |      | MATERIAL NO.             |                                                                                                                               | DOCUMENT NO.                                                  |                      |                        | SHEET NO. |  |
|                                                                                                                                   |             |                                                   |                                                            |      |      | SEE PART MATRIX          |                                                                                                                               | SD-120108-081                                                 |                      |                        | 1 OF 1    |  |
|                                                                                                                                   |             |                                                   |                                                            |      |      | SIZE<br>B                | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                                               |                      |                        |           |  |