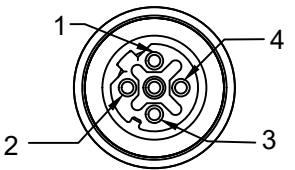


FRONT VIEW - MALE M12



1-WHITE/ORANGE
2-WHITE/GREEN
3-ORANGE
4-GREEN

NOTES:

1. MATERIAL: SEE TABLE

2. FINISH: SEE TABLE

3. ELECTRICAL:
VOLTAGE: 30V AC/DC
CURRENT: 1.5A

4. TEMP RATING: -20°TO +75°C

5. PROTECTION:
RJ45: IP20
M12 CONNECTOR: IP67(WHEN MATED)

6. UL RECOGNIZED FILE: E200650

7. ALL DIMENSIONS ARE FOR REFERENCE
UNLESS TOLERANCED OR NOTED OTHERWISE

MECHANICAL CHARACTERISTICS:

FLEX LIFE:	(126 CYCLES/MIN @ 20° C) 1 MILLION CYCLE TEST (10X CABLE O.D., MINIMUM RADIUS) 10 MILLION CYCLE TEST (20X CABLE O.D., MINIMUM RADIUS)
TORSIONAL FLEX:	(1 LB LOAD, 360°, 71 CYCLES/MIN @ 20° C) 3 MILLION CYCLE TEST

8	WRAP LABEL	VINYL	BLACK/WHITE
7	RJ45 BOOT, HOODED	PVC	BLACK
6	RJ45 PLUG	POLYCARBONATE	TRANSPARENT
5	OVERMOLD	PUR	BLACK
4	COUPLING NUT	BRASS	NICKEL PLATED
3	INSERT	PUR	BLACK
2	CONTACT PIN	COPPER ALLOY	GOLD OVER NICKEL
1	CABLE, ETHERNET, 24-4	TPE	TEAL
ITEM	DESCRIPTION	MATERIAL	FINISH

DOCUMENT STATUS

P1

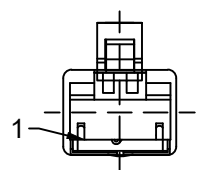
RELEASE DATE

2024/06/21

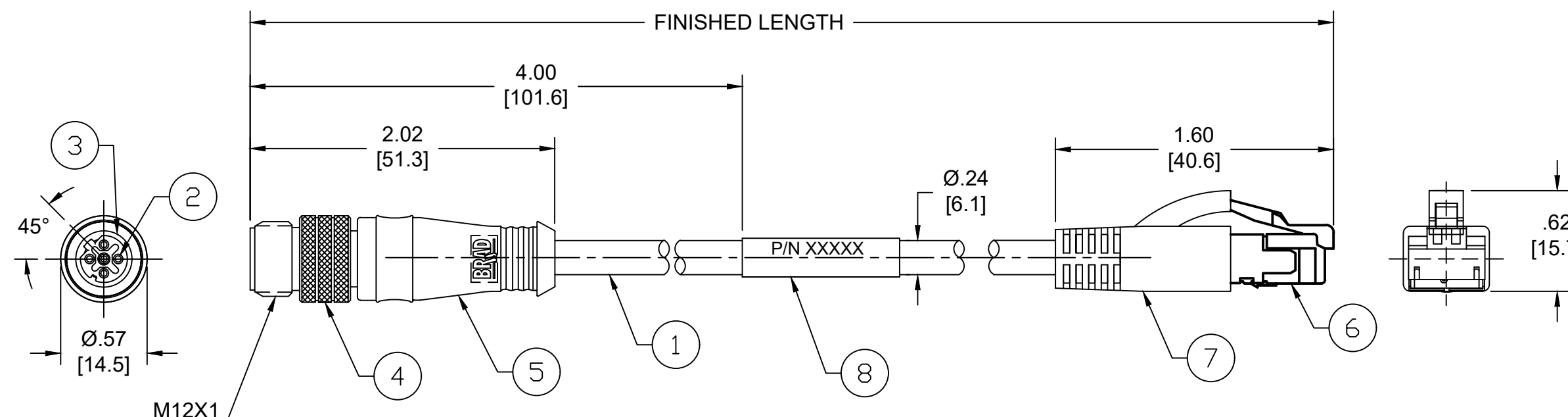
13:36:02

PART NO	ENGINEERING NO.	FINISHED LENGTH
1300480309	E16A06004M010	1M [3FT 3 IN]
1300480406	E16A06004M400	40M [131FT 3 IN]
1300480377	E16A06004M850	85M [278FT 10 IN]

FRONT VIEW - MALE RJ45



1-WHITE/ORANGE
2-ORANGE
3-WHITE/GREEN
6-GREEN



FINISHED LENGTH

4.00 [101.6]

2.02 [51.3]

Ø.24 [6.1]

1.60 [40.6]

Ø.57 [14.5]

45°

M12X1

.62 [15.7]

PART NUMBER LEGEND

E16A06004M005

FINISHED LENGTH
M005 = 0.5 METER
M010 = 1 METER
M100 = 10 METER

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

FUNCTIONAL SYMBOLS

FA=0

FC=0

FD=0

DIVISIONAL SYMBOLS

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

DIMENSION UNITS

INCH/MM

SCALE

NTS

GENERAL TOLERANCES (UNLESS SPECIFIED)

mm

INCH

4 PLACES

±----

±----

3 PLACES

±----

±----

2 PLACES

±----

±----

1 PLACE

±----

±----

0 PLACES

±----

±----

ANGULAR TOL ± ---- °

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: MODIFIED PROTECTION DETAILS

IN NOTES

EC NO: 789859

DRWN: ABENJAMINLW 2024/06/12

CHK'D: PDODDAMANEMY 2024/06/19

APPR: BWOODMAN 2024/06/21

INITIAL REVISION:

DRWN: BARDEN 2014/02/19

APPR: JFMURPHY 2014/03/13

THIRD ANGLE PROJECTION

DRAWING

B-SIZE

SERIES

130048

MATERIAL NUMBER

SEE CHART

CUSTOMER

GENERAL MARKET

SHEET NUMBER

1 OF 1

molex

MIC D-CODE / ETHERNET

4P M12 MALE/RJ45 MALE, STRAIGHT

#24-4 TPE HI-FLEX

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER

SD-130048-009

DOC TYPE

PSD

DOC PART

001

REVISION

A2