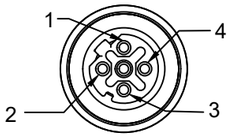
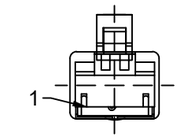
FRONT VIEW - MALE M12



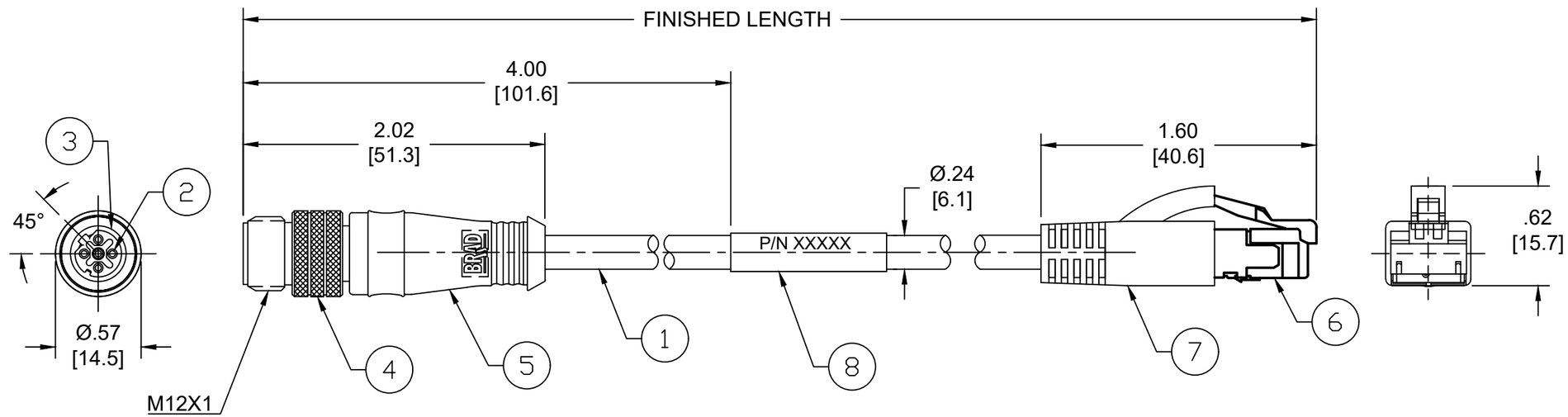
1-WHITE/ORANGE
2-WHITE/GREEN
3-ORANGE
4-GREEN

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



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: (A2)
   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 @ 20º 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, 360º, 71 CYCLES/MIN @ 20º C) 3 MILLION CYCLE TEST

ITEM	DESCRIPTION	MATERIAL	FINISH
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

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

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=0, FP=0
DIVISIONAL SYMBOLS

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

molex

MIC D-CODE / ETHERNET
4P M12 MALE/RJ45 MALE, STRAIGHT
#24-4 TPE HI-FLEX

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-130048-009	PSD	001	A2

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE CHART	GENERAL MARKET	1 OF 1

DOCUMENT STATUS	P1	RELEASE DATE	2024/06/21 13:36:02

FORMAT: IN-ACAD-tb-prod-B
REVISION: B
DATE: 2020/01/14