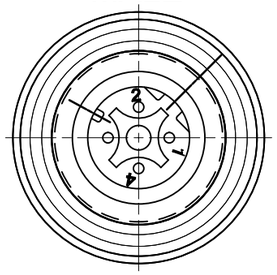
M12U 4 POLE MALE



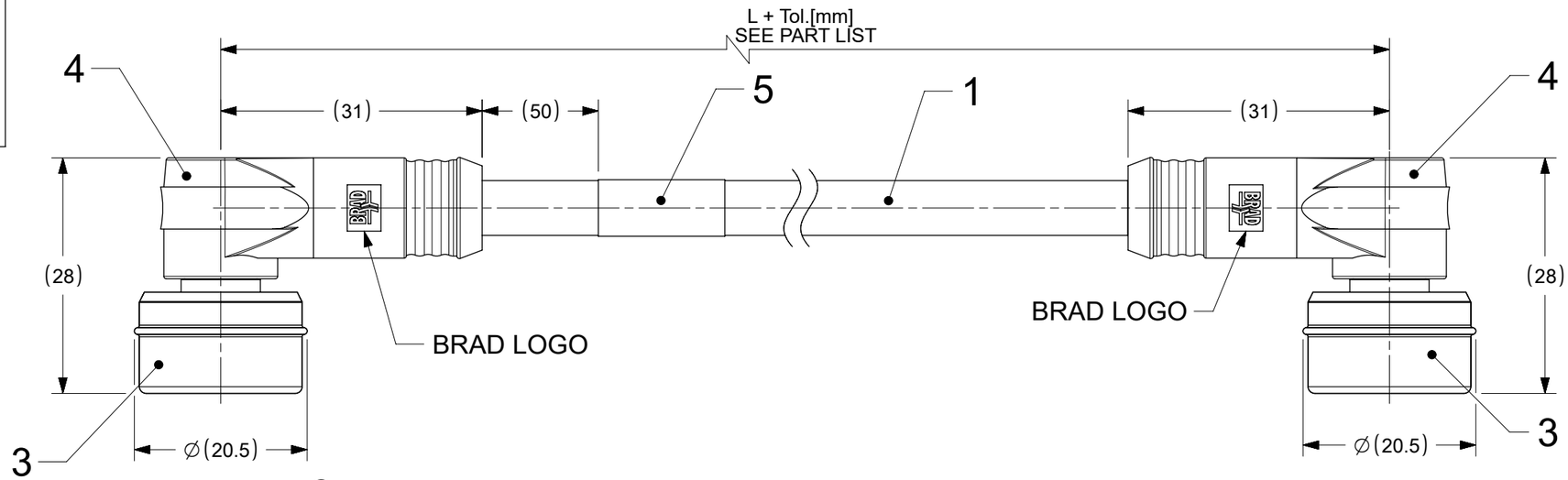
VIEW FROM THE FRONT SIDE

PIN	WIRE COLOR
1	OG
2	BU
3	OG-WH
4	BU-WH

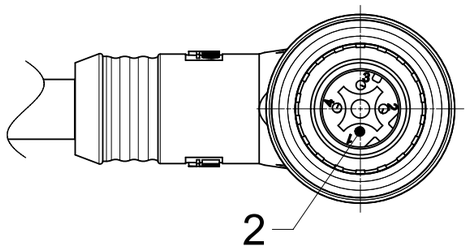
PART No. MATRIX

E	W	W	A	0	6	3	0	3	M	X	X	X

- E: E=ETHERNET
- W: HEADS: W=M12 4-Pole Ultra Lock D-Coding; W=M12 4-Pole Ultra Lock D-Coding
- A: WIRING TYPE: A=4 Pole STRAIGHT WIRED
- 063: HEADS STYLE: 063=MALE RA / MALE RA
- 03: CABLE TYPE
- M: UNITS: M = METER; T=10x METER
- XXX: LENGTH EXAMPLES: 005=0.5; 010=1; 150=15

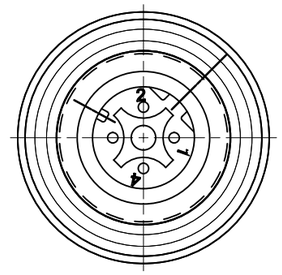


VIEW FROM THE FRONT SIDE



VIEW FROM THE FRONT SIDE

M12U 4 POLE MALE



VIEW FROM THE FRONT SIDE

PIN	WIRE COLOR
1	OG
2	BU
3	OG-WH
4	BU-WH

PART LIST

MOLEX PN	ENGINEERING No	L+Tol. [mm]
1201080081	EWWA06303M006	600 +45
1201080082	EWWA06303M010	1000 +56
1201080083	EWWA06303M020	2000 +89

BOM

5	1	WRAP LABEL	VINYL	WHITE
4	-	MOULDING MATERIAL	TPU	BLACK
3	2	ULTRA M12 4P ASSEMBLY	-	-
2	8	CONTACT 10 MALE	BRASS	Au OVER Ni
1	-	ETHERNET CABLE-CAT5E	PVC	TEAL
ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH/COLOR

DOCUMENT STATUS	P1	RELEASE DATE	2022/04/22 06:35:57

NOTES :

ACC. TO CAT5e ETHERNET STD.
MAX. VOLTAGE : 30V
MAX. CURRENT : 1.5A
IP RATING : IP67
TEMPERATURE RANGE : -20°C TO +75°C

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	SCALE
mm	3:2

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:

EC NO: 703538
DRWN: SSM 2022/03/29
CHK'D: RSILLER 2022/04/22
APPR: RSILLER 2022/04/22

INITIAL REVISION:
DRWN: SSM 2022/03/29
APPR: RSILLER 2022/04/22

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 120108

molex

MIC 4P M/MP ULOCK 90/90 XM

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
1201080082	PSD	000	A

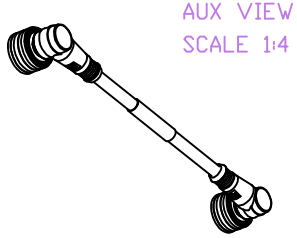
MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE PART LIST	GENERAL MARKET	1 OF 1

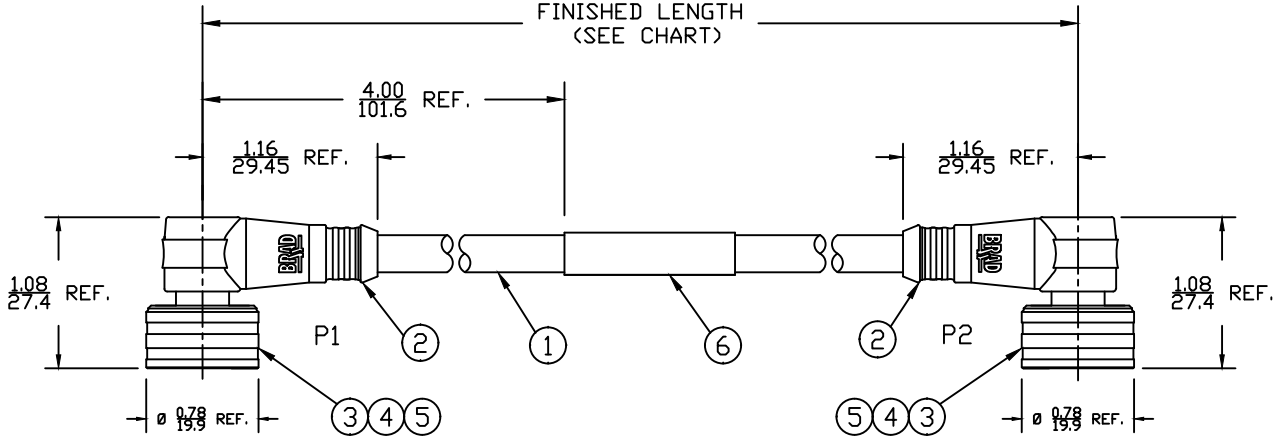
FORMAT: master-tb-prod-A3
REVISION: J1
DATE: 2021/05/01

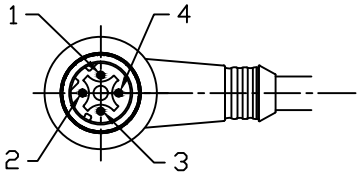
PART NUMBER	ENGINEERING NO.	LENGTH ± TOLERANCE
1201080082	EWWA06303M010	3' 3" +2.19"/-0" [1M +55.6/-0 mm]
1201080084	EWWA06303M050	16' 4" +6.5"/-0" [5M +165.0/-0 mm]
1201080085	EWWA06303M100	32' 10" +6.5"/-0" [10M +317.5/-0 mm]

B

AUX VIEW
SCALE 1:4



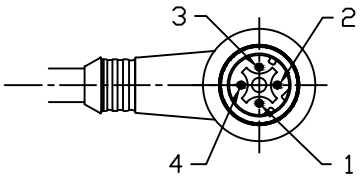




MALE- FACE VIEW

P1		P2
1	ORANGE	1
2	BLUE	2
3	ORG/WHITE	3
4	BLUE/WHITE	4

WIRING DIAGRAM



MALE- FACE VIEW

NOTES:

1) MATERIAL: SEE TABLE

2) FINISHES: SEE TABLE

3) CABLE: #24/4 UNSHIELDED PVC

4) ELECTRICAL DATA:
ACCORDING TO CAT5e ETHERNET STANDARD
MAX. VOLTAGE: 30V
MAX. CURRENT 1.5A

5) ENVIRONMENTAL:
PROTECTION IP67
TEMPERATURE RANGE: -20°C TO 75°C

6) WRAP LABEL IS MARKED WITH P/N, DATE CODE, VOLTAGE & AMPERAGE.

7) ASSEMBLY IS RoHS COMPLIANT.

ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH
6	1	LABEL	PLASTIC FILM	BLACK/YELLOW
5	2	INSERT	PUR	BLACK
4	8	PIN CONTACT	COPPER ALLOY	GOLD PLATED
3	2	M12 ULTRA-LOCK HEAD ASSY	BRASS	NICKEL
2	2	OVERMOLD	PUR	BLACK
1	1	ETHERNET CABLE-CAT5E	PVC JACKET	TEAL

ADD P/N 1201080085 5/6/13
EC NO: IPG2013-1710
DRWN: RSTONE
CHKD: K JOZWIK
APPR: BWOODMAN
DESCRIPTION
B
REV

QUALITY SYMBOLS
▼=0
Ⓒ=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	±---	±---
3 PLACES	±---	±.005
2 PLACES	±---	±.010
1 PLACE	±---	±.020
ANGULAR ±1/2°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: IN/MM
SCALE: 3:4
DESIGN UNITS: INCH
THIRD ANGLE PROJECTION

DRAWN BY: VOU DATE: 2009/07/07
CHECKED BY: BWOODMAN DATE: 2009/07/31
APPROVED BY: --- DATE: ---

TITLE
M12 ULOCK CABLE ASSY
4P M/MP 90/90 D-CODE
#24/4 UNSHIELDED PVC

MOLEX INCORPORATED

MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-120108-008
SHEET NO.: 1 OF 1
SIZE: A

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Unikeyic Electronics

Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

molex:

348242245 355240920 459850483 5023860371 0477256010 197134001 347072012 0464363133
197054301 347910140 348268126 351820290 464373005 502585-0370 503988100 194290026
357470310 502584-1060 0351510214 347928042 528520870 0194360214 34708-2028 502584-0870
194270031 528061110 528523070 194290039 349672001 502380-0800