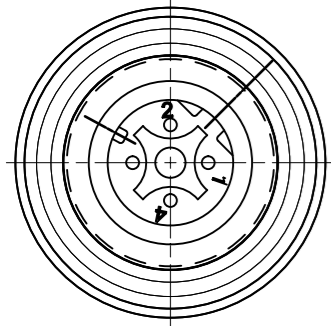


M12U 4 POLE MALE



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=ETHERNET

HEADS:
W=M12 4-Pole Ultra Lock
D-Coding
W=M12 4-Pole Ultra Lock
D-Coding

HEADS STYLE:
063=MALE RA / MALE RA

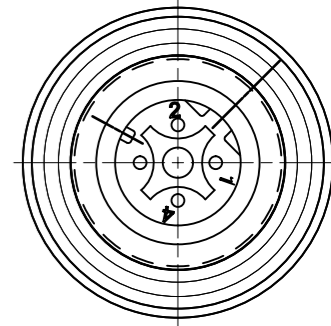
UNITS:
M = METER
T=10x METER

LENGTH EXAMPLES:
005=0.5
010=1
150=15

WIRING TYPE:
A=4 Pole STRAIGHT WIRED

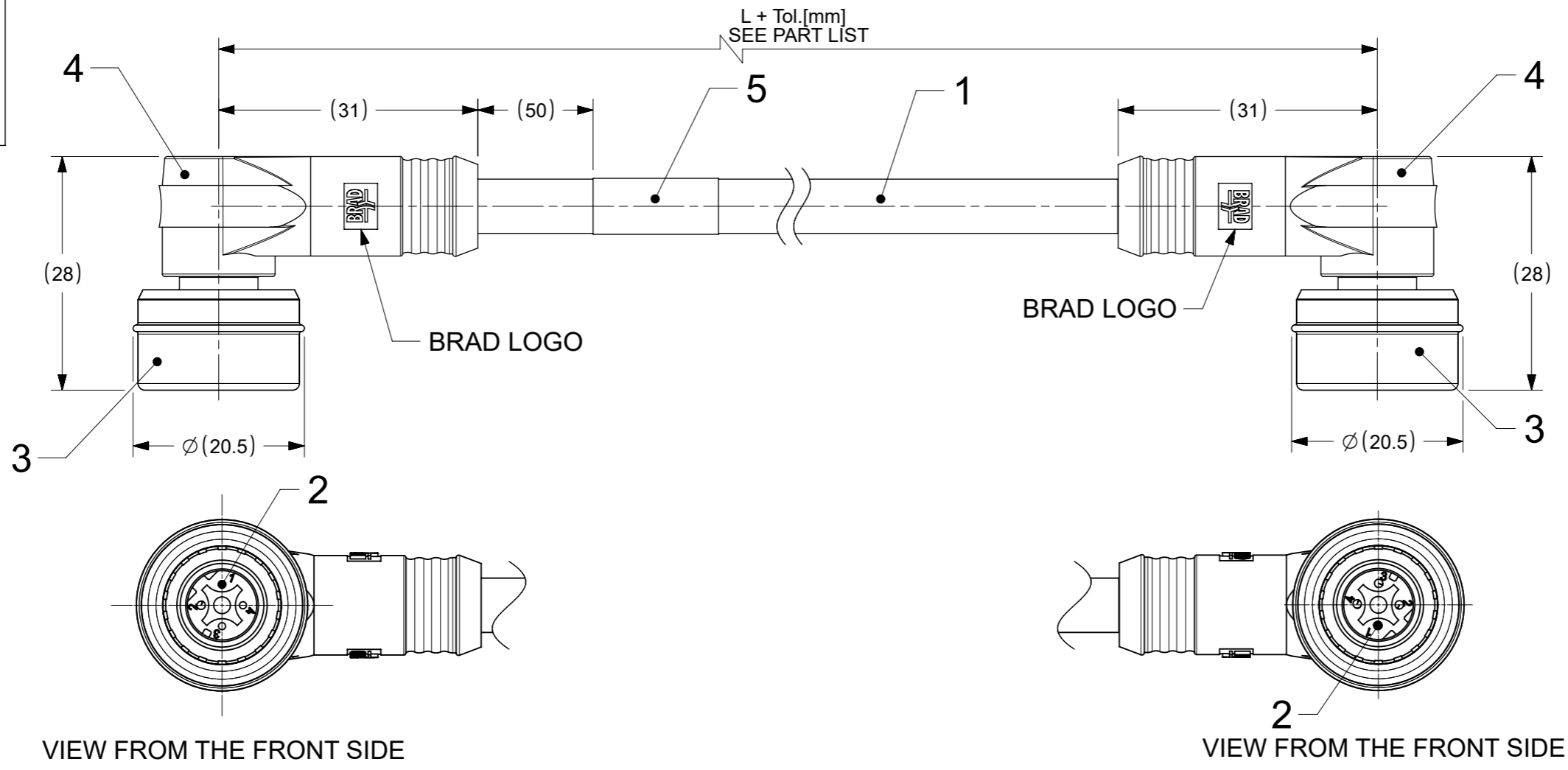
CABLE TYPE

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

ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH/COLOR
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

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

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

FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	CURRENT REV DESC:		molex																										
	<table border="1"> <tr> <th>FUNCTIONAL SYMBOLS</th> <th>DIMENSION UNITS</th> <th>SCALE</th> </tr> <tr> <td>\sqrt{A} = 0</td> <td>mm</td> <td>3:2</td> </tr> <tr> <td>\sqrt{E} = 0</td> <td colspan="2">GENERAL TOLERANCES (UNLESS SPECIFIED)</td> </tr> <tr> <td>\sqrt{V} = 0</td> <td colspan="2">ANGULAR TOL ± 1.0°</td> </tr> <tr> <td></td> <td>4 PLACES</td> <td>±</td> </tr> <tr> <td></td> <td>3 PLACES</td> <td>±</td> </tr> <tr> <td></td> <td>2 PLACES</td> <td>± 0.05</td> </tr> <tr> <td></td> <td>1 PLACE</td> <td>± 0.3</td> </tr> <tr> <td></td> <td>0 PLACES</td> <td>± 0.5</td> </tr> </table>	FUNCTIONAL SYMBOLS	DIMENSION UNITS		SCALE	\sqrt{A} = 0	mm	3:2	\sqrt{E} = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)		\sqrt{V} = 0	ANGULAR TOL ± 1.0°			4 PLACES	±		3 PLACES	±		2 PLACES	± 0.05		1 PLACE	± 0.3		0 PLACES	± 0.5	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
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	0 PLACES	± 0.5																												
DIVISIONAL SYMBOLS	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	THIRD ANGLE PROJECTION	DRAWING: A3-SIZE	SERIES: 120108																										
			MATERIAL NUMBER: SEE PART LIST	CUSTOMER: GENERAL MARKET																										
				SHEET NUMBER: 1 OF 1																										

6

5

4

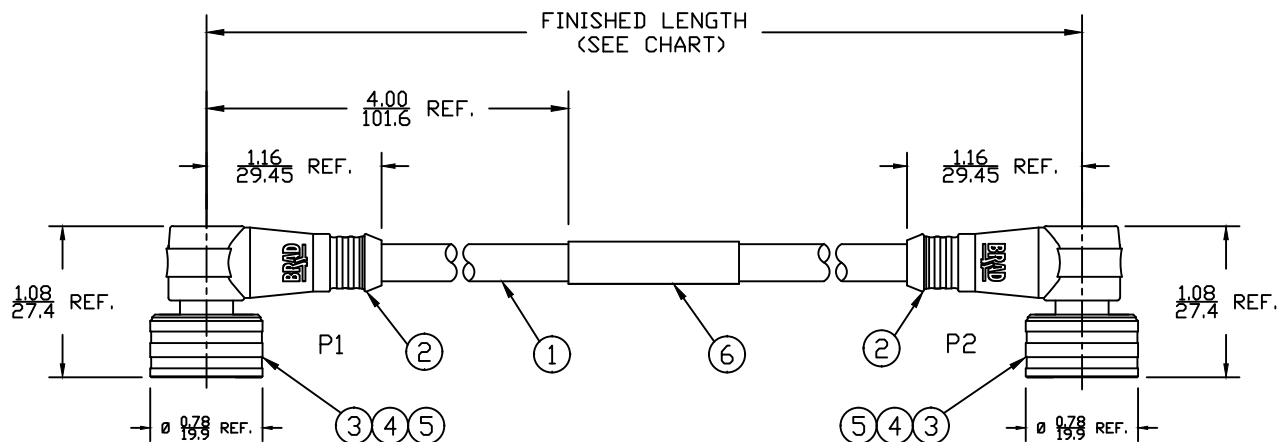
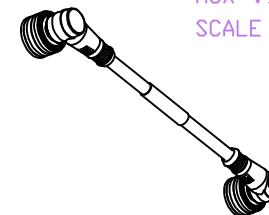
3

2

1

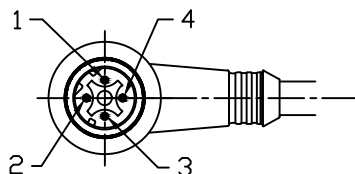
PART NUMBER	ENGINEERING NO.	LENGTH ± TOLERANCE
1201080082	EWWA06303M010	3' 3" +2.19"/-0" [1M +55.6/-0 mm]
1201080084	EWWA06303M050	16' 4" +6.5"/-0" [5M +165.0/-0 mm]
1201080085	EWWA06303M100	32' 10" +6.5"/-0" [10M +317.5/-0 mm]

(B)

AUX VIEW
SCALE 1:4

NOTES:

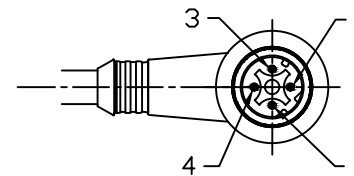
- 1) MATERIAL: SEE TABLE
- 2) FINISHES: SEE TABLE
- 3) CABLE: #24/4 UNSHIELDED PVC
- 4) ELECTRICAL DATA:
ACCORDING TO CAT5e ETHERNET STANDARD
MAX. VOLTAGE: 30V
MAX. CURRENT: 1.5A
- 5) ENVIRONMENTAL:
PROTECTION IP67
TEMPERATURE RANGE: -20°C TO 75°C
- 6) WRAP LABEL IS MARKED WITH P/N, DATE CODE,
VOLTAGE & AMPERAGE.
- 7) ASSEMBLY IS RoHS COMPLIANT.



MALE-FACE VIEW

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

WIRING DIAGRAM



MALE-FACE VIEW

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	DVERMOLD	PUR	BLACK
1	1	ETHERNET CABLE-CAT5E	PVC JACKET	TEAL
ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH

ADD PIN 1201080085	5/6/13
EC NO: IFC2013-1710	
DRWN: RSTONE	
CHKD: K JOZWIK	
APPR: BWOODMAN	
REV	DESCRIPTION
B	

QUALITY SYMBOLS
 $\nabla=0$
 $\nabla/C=0$

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 DIMENSIONSDIMENSION STYLE
IN/MM

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

SCALE
3:4DESIGN UNITS
INCHTHIRD ANGLE
PROJECTION

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

molex MOLEX INCORPORATED

MATERIAL NO.
SEE CHARTDOCUMENT NO.
SD-120108-008SHEET NO.
1 OF 1SIZE
ATHIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX
INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

6

5

4

3

2

1