

M12U 4 POLE
MALE

VIEW FROM THE FRONT SIDE

PIN	WIRE COLOR
1	YE
2	WH
3	OR
4	BU

PART No. MATRIX

E

W

W

A

0

6

2

1

0

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:
062=MALE STR / MALE RA

WIRING TYPE:
A=4 Pole STRAIGHT WIRED

CABLE TYPE

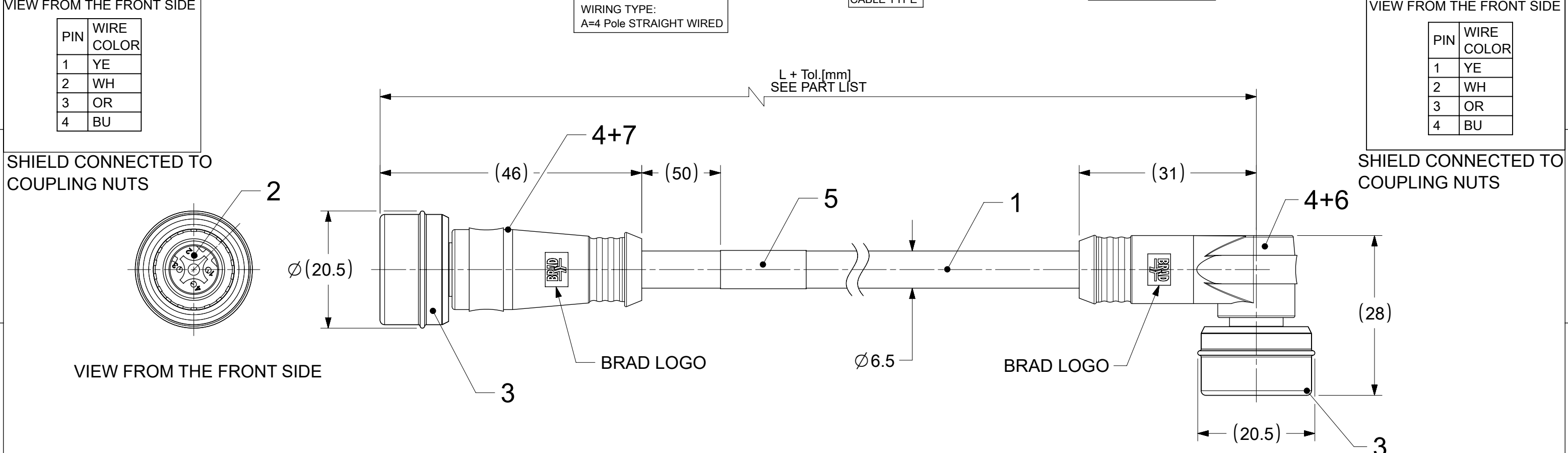
UNITS:
M = METER
T=10x METER

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

M12U 4 POLE
MALE

VIEW FROM THE FRONT SIDE

PIN	WIRE COLOR
1	YE
2	WH
3	OR
4	BU



PART LIST

MOLEX PN	ENGINEERING No	L+Tol. [mm]
1201080097	EWWA06210M006	600+45
1201080098	EWWA06210M010	1000 +56
1201080099	EWWA06210M020	2000 +89
1201080100	EWWA06210M050	5000+165
1201080101	EWWA06210M100	10000+317
1201080151	EWWA06210M030	3000+89

BOM

7	1	LEEVE SHIELD	BRASS	Ni-PLATED
6	1	SHIELD CLOSURE CAP-90	BRASS	Ni-PLATED
5	1	LABEL	VINYL	YELLOW
4	-	MOULDING MATERIAL	TPU	BLACK
3	2	ULTRALOCK MALE ASSEMBLY	-	-
2	8	CONTACT MALE	BRASS	Au OVER Ni
1	-	ETHERNET CABLE-CAT5eES	PUR	GREEN
ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH/COLOR
DOCUMENT STATUS	P1	RELEASE DATE	2022/04/22	06:35:58

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

$\sqrt{A}$

0

$\sqrt{E}$

0

$\sqrt{E}$

0

DIVISIONAL SYMBOLS

$\sqrt{A}$

0

$\sqrt{E}$

0

$\sqrt{E}$

0

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DIMENSION UNITS

mm

SCALE

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
CHK'D: RSILLER
APPR: RSILLER

2022/03/29
2022/04/22
2022/04/22

INITIAL REVISION:
DRWN: SSM
APPR: RSILLER

2022/03/29
2022/04/22

THIRD ANGLE PROJECTION

DRAWING

SERIES

MATERIAL NUMBER

CUSTOMER

SHEET NUMBER

molex

MIC 4P M/MP ULCK ST/90 XM

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER

1201080097

DOC TYPE

PSD

DOC PART

000

REVISION

A

SEE PART LIST

GENERAL MARKET

1 OF 1

6

5

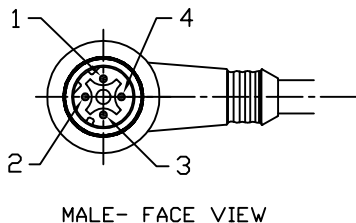
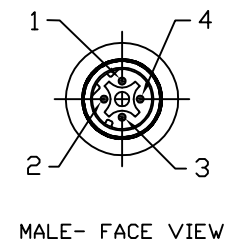
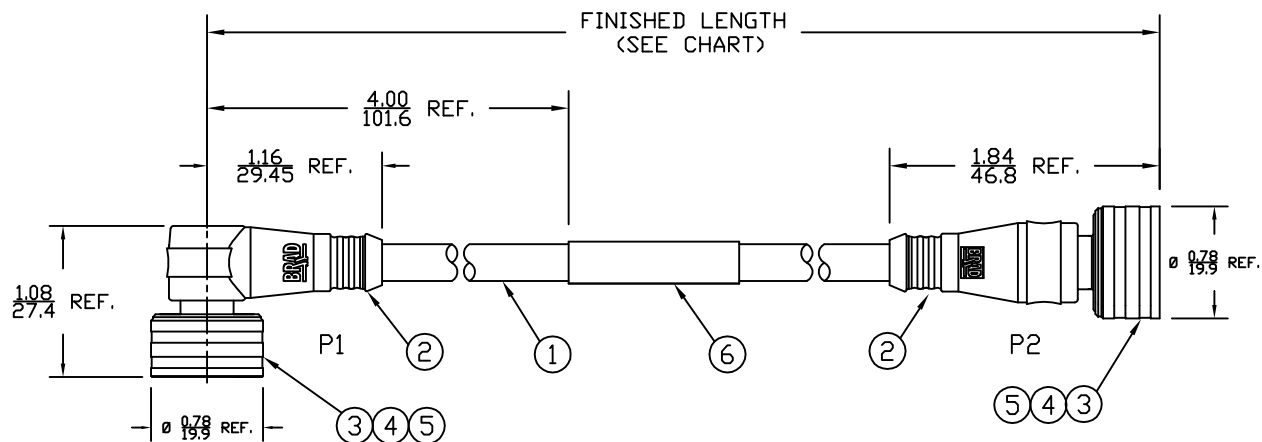
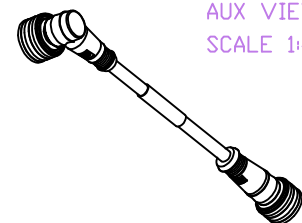
4

3

2

1

PART NUMBER	ENGINEERING NO.	LENGTH ± TOLERANCE
1201080098	EWWA06210M010	3' 3" +2.19'/-0' [1M +55.6/-0 mm]
1201080100	EWWA06210M050	16' 4" +6.5'/-0' [5M +165.0/-0 mm]



P1		P2
1	YELLOW	1
2	WHITE	2
3	ORANGE	3
4	BLUE	4

WIRING DIAGRAM

NOTES:

- 1) MATERIAL: SEE TABLE
- 2) FINISHES: SEE TABLE
- 3) CABLE: #22/4 SHIELDED PUR
- 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.

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	PUR JACKET	TEAL
ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH

SD RELEASE EC NO: WEL2010-0005 7/9/09 DRWN: VOU CHKD: BWOODMAN APPR: JFMURPHY 2009/07/20		DESCRIPTION	QUALITY SYMBOLS = 0 = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE 3:4	DESIGN UNITS INCH	 THIRD ANGLE PROJECTION		
					mm	INCH	DRAWN BY VOU	DATE 2009/07/07	TITLE M12 ULOCK CABLE ASSY 4P M/MP ST/90 D-CODE #22/4 SHIELDED PUR			
				4 PLACES	±----	±----	CHECKED BY BWOODMAN	DATE 2009/07/31				
				3 PLACES	±----	±.005						
				2 PLACES	±----	±.010						
1		REV		1 PLACE	±----	±.020	APPROVED BY ---		DATE ---	 MOLEX INCORPORATED		
				ANGULAR ± 1/2°			MATERIAL NO.		DOCUMENT NO.		SHEET NO. 1 OF 1	
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SEE CHART		SD-120108-011			
							SIZE A		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

6

5

4

3

2

1