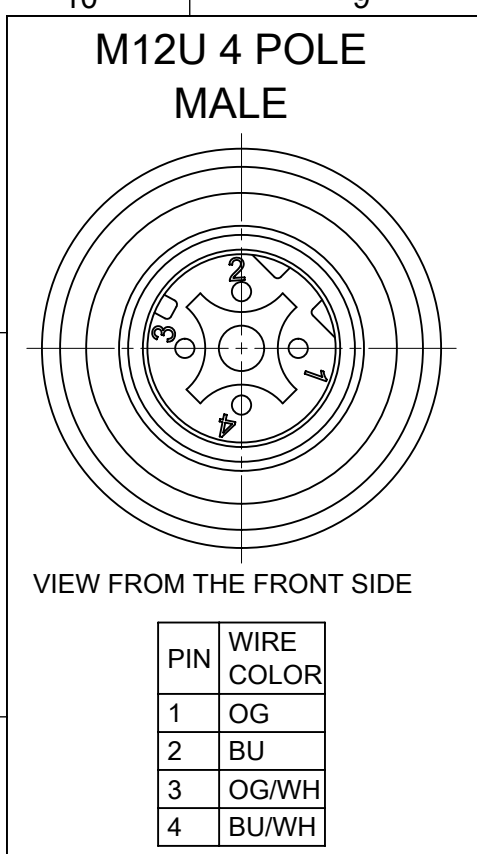




NOTES :

MAX. VOLTAGE : 30V
MAX. CURRENT : 1.5V
IP RATING : IP67
OPERATING TEMPERATURE : -20°C TO +75°C

PART No. MATRIX

E	W	W	A	0	6	2	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

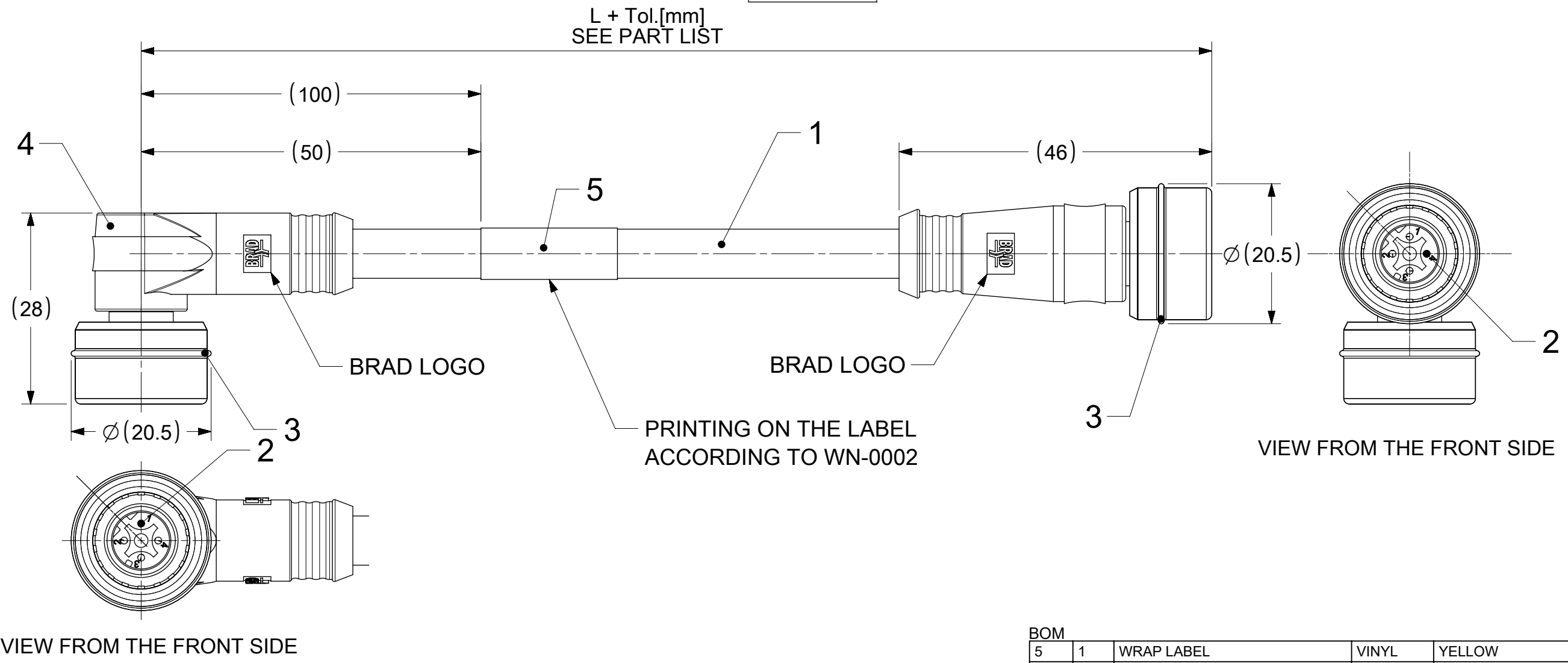
WIRING TYPE:
A=4 Pole
STRAIGHT WIRED)

HEADS STYLE:
062=MALE RA / MALE STR

UNITS:
M=METER
T=10x METER

CABLE TYPE

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



PART LIST

MOLEX P/N	ENG No.	L[mm]
1201080073	EWWA06203M006	600
1201080074	EWWA06203M010	1000
1201080075	EWWA06203M020	2000
1201080076	EWWA06203M050	5000
1201080077	EWWA06203M100	10000
1201080078	EWWA06203M150	15000
1201080079	EWWA06203M300	30000
1201088050	EWWA06203M002	200
1201088204	EWWA06203M200	20000
1201088205	EWWA06203M400	40000
1201088206	EWWA06203M600	60000
1201088207	EWWA06203M800	80000
1201088208	EWWA06203T100	100000

DOCUMENT STATUS	P1	RELEASE DATE	2022/04/14	13:32:12
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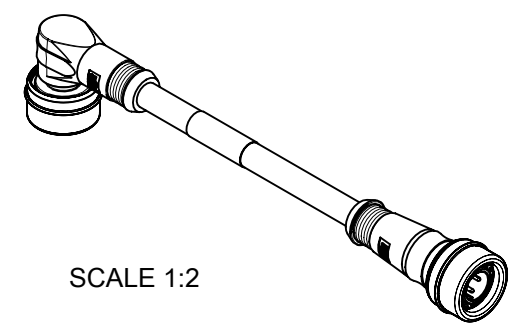


TABLE OF LENGTH TOLERANCES

OVER	UP TO AND INCLUDING	TOLERANCE
0	305	+19
305	915	+45
915	1830	+56
1830	3660	+89
3660	7320	+165
7320	14640	+317
14640	30500	+610
30500	>	+2% OF LENGTH

FUNCTIONAL SYMBOLS

$\sqrt{A} = 0$

$\sqrt{E} = 0$

$\sqrt{F} = 0$

DIVISIONAL SYMBOLS

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

CURRENT REV DESC:

EC NO: 703182
DRWN: SSM
CHK'D: RSILLER
APPR: RSILLER

INITIAL REVISION:
DRWN: SSM
APPR: RSILLER

THIRD ANGLE PROJECTION

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION UNITS

mm

SCALE

3:2

GENERAL TOLERANCES
(UNLESS SPECIFIED)

ANGULAR TOL ± 0.5°

4 PLACES ±

3 PLACES ± 0.005

2 PLACES ± 0.01

1 PLACE ± 0.2

0 PLACES ±

PRODUCT CUSTOMER DRAWING

1201080073

DOCUMENT NUMBER

1201080073

DOC TYPE

PSD

DOC PART

000

REVISION

A

MATERIAL NUMBER

SEE PART LIST

CUSTOMER

GENERAL MARKET

SHEET NUMBER

1 OF 1

PART NO MATRIX

E W W A 0 6 2 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

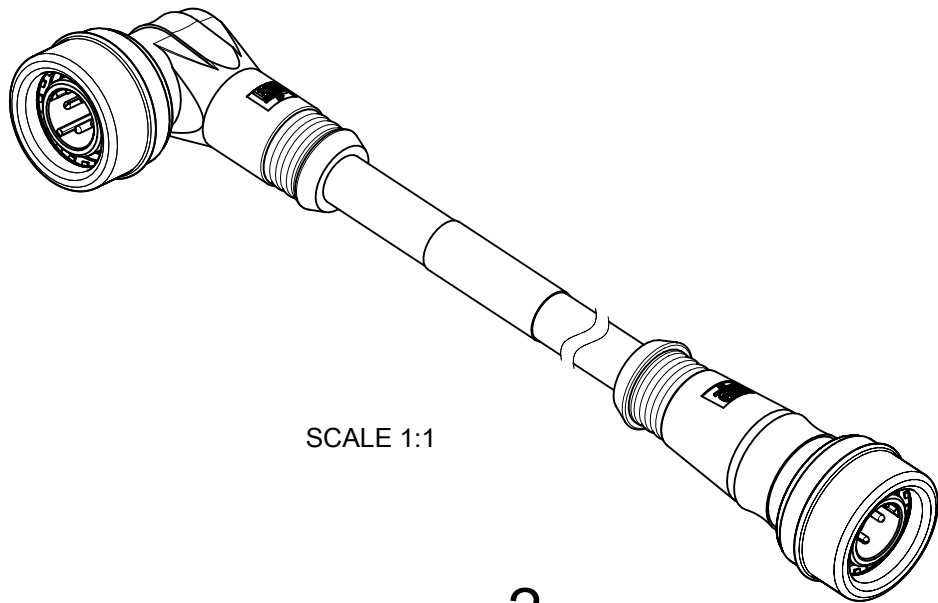
HEADS STYLE:
062 = MALE RA / MALE STR

CABLE TYPE

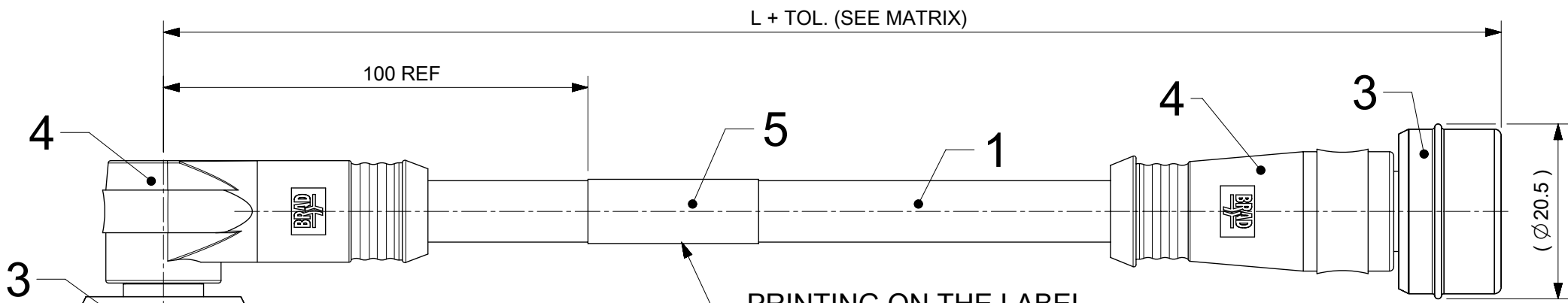
UNITS:
M=METER
T=10x METER

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

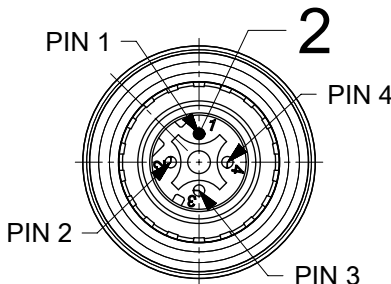
WIRING TYPE:
A= 4 Pole
STRAIGHT WIRED



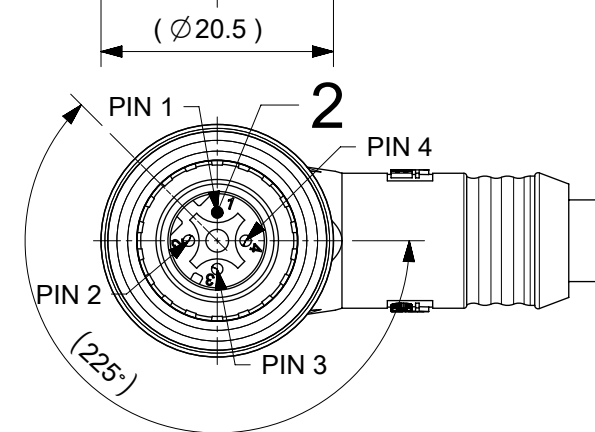
SCALE 1:1



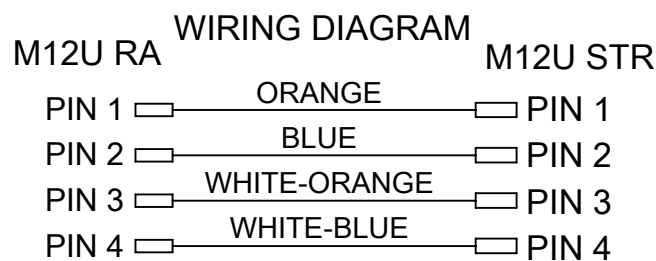
PRINTING ON THE LABEL
ACCORDING TO WN-0002



VIEW FROM THE FRONT SIDE



VIEW FROM THE FRONT SIDE



PART LIST

SL. NO	MOLEX PN	ENGINEERING NO.	LENGTH (mm)
1	1201088050	EWWA06203M002	200
2	1201080073	EWWA06203M006	600
3	1201080074	EWWA06203M010	1000
4	1201080075	EWWA06203M020	2000
5	1201080076	EWWA06203M050	5000
6	1201080077	EWWA06203M100	10000
7	1201080078	EWWA06203M150	15000
8	1201088204	EWWA06203M200	20000
9	1201080079	EWWA06203M300	30000
10	1201088205	EWWA06203M400	40000
11	1201088206	EWWA06203M600	60000
12	1201088207	EWWA06203M800	80000
13	1201088208	EWWA06203T100	100000

DOCUMENT STATUS	P1	RELEASE DATE	2022/07/27	07:37:29
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NOTES :

ELECTRICAL DATA :
VOLTAGE RATING : 250V
AMPERAGE RATING : 4A
INSULATION RESISTANCE : 10⁸Ω MIN.
MATING CYCLES : MIN. 100

ENVIRONMENTAL :
PROTECTION CLASS : IP67/IP68/IP69K IN MATED
AND LOCKED POSITION
OPERATING TEMPERATURE : -25°C TO +80°C

BOM

5	1	WRAP LABEL	VINYL	YELLOW
4	-	MOULDING MATERIAL	TPU	BLACK
3	2	MIC 3P MALE ULOCK ASSEMBLY	-	-
2	8	CONTACT MALE	BRASS	SELECTIVE GOLD OVER NICKEL
1	-	CABLE ETHERNET CAT5E	TPE	TEAL
ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH/COLOR

FUNCTIONAL SYMBOLS FA = 0 FE = 0 FE = 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		SCALE		CURRENT REV DESC: MIGRATED AND REVISED			molex MIC 4P M/MP ULOCK ST/90 XM									
	mm		3:2														
	GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 715590 DRWN: MDHARMANTI 2022/02/25 CHK'D: RSILLER 2022/07/27 APPR: RSILLER 2022/07/27						PRODUCT CUSTOMER DRAWING						
	ANGULAR TOL ± 0.5 °																
	4 PLACES		±														
	3 PLACES		± 0.005														
	2 PLACES		± 0.02														
	1 PLACE		± 0.01														
	0 PLACES		±														
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION	
						A3-SIZE		120108		1201088204		PSD		000		A	
										MATERIAL NUMBER		CUSTOMER				SHEET NUMBER	
										SEE PART LIST		GENERAL MARKET				1 OF 1	

6

5

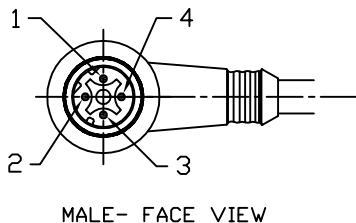
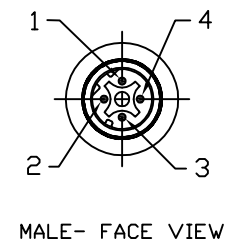
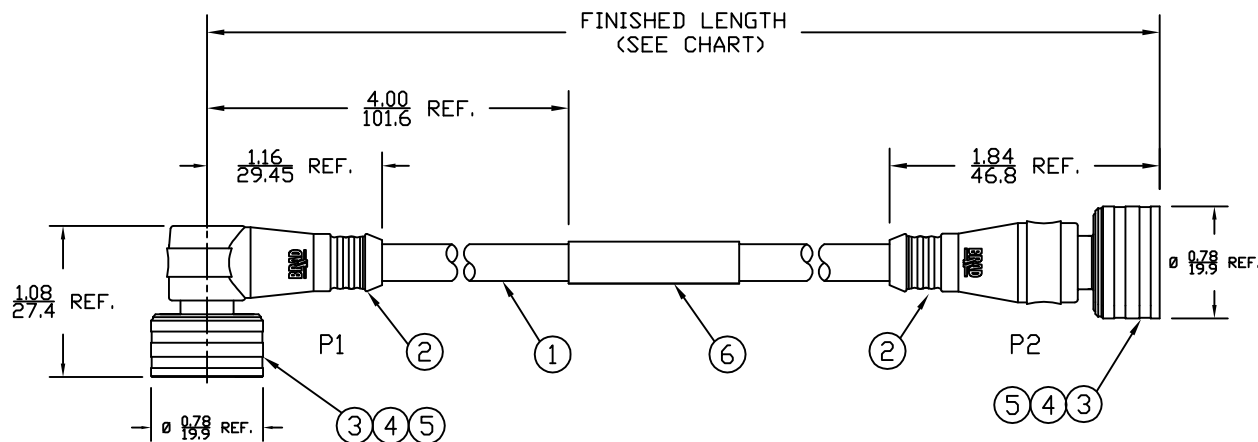
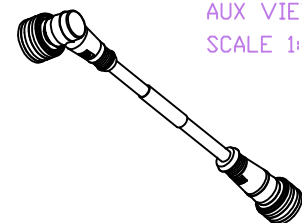
4

3

2

1

PART NUMBER	ENGINEERING NO.	LENGTH ± TOLERANCE
1201080074	EWWA06203M010	3' 3" +2.19"/-0" [1M +55.6/-0 mm]
1201080076	EWWA06203M050	16' 4" +6.5"/-0" [5M +165.0/-0 mm]



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

WIRING DIAGRAM

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.

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
ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH

SD RELEASE EC NO: WEU2010-0005 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 #24/4 UNSHIELDED PVC	
				4 PLACES	±----	±----	CHECKED BY BWOODMAN	DATE 2009/07/31		
				3 PLACES	±----	±.005	APPROVED BY	DATE		
1	REV			2 PLACES	±----	±.010	MATERIAL NO. SEE CHART	DOCUMENT NO. SD-120108-007	SHEET NO. 1 OF 1	
				1 PLACE	±----	±.020				
				ANGULAR ± 1/2°		SIZE A				
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				