

M12U 4 POLE
MALE

VIEW FROM THE FRONT SIDE

PIN	WIRE COLOR
1	YE
2	WH
3	OR
4	BU

SHIELD CONNECTED TO
COUPLING NUTS

PART LIST		
MOLEX PN	ENGINEERING No	L+Tol. [mm]
1201080106	EWWA06310M010	1000 +56
1201080107	EWWA06310M020	2000 +89
1201080108	EWWA06310M050	5000+165
1201080109	EWWA06310M100	10000+317
1201080110	EWWA06310M150	15000+610

BOM				
ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH/COLOR
6	2	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
DOCUMENT STATUS		P1	RELEASE DATE	2022/04/22 06:35:59

FORMAT: master-b-prod-A3
REVISION: 11
DATE: 2021/05/01

PART No. MATRIX

E	W	W	A	0	6	3	1	0	M	X	X	X
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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

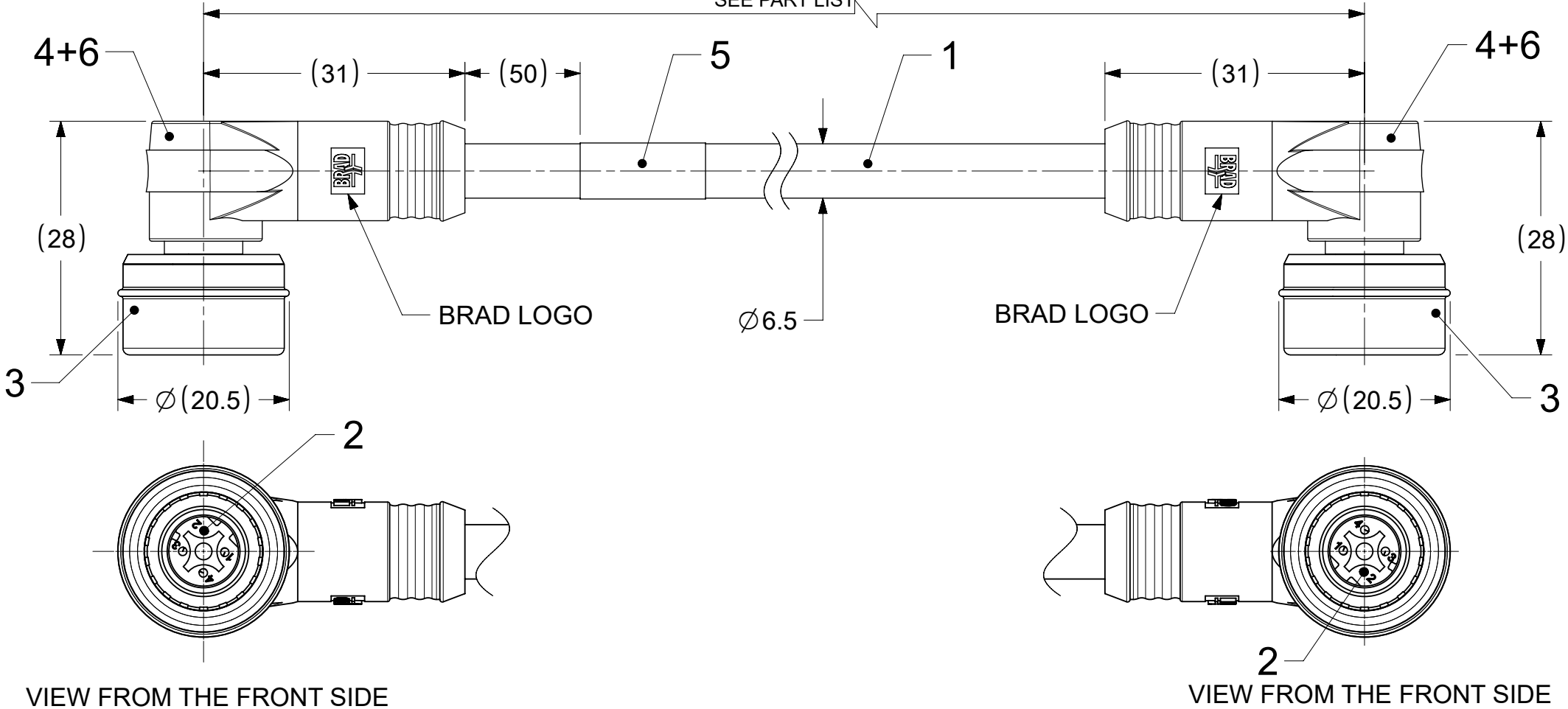
WIRING TYPE:
A=4 Pole STRAIGHT WIRED

CABLE TYPE

UNITS:
M = METER
T=10x METER

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

L + Tol.[mm]
SEE PART LIST



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THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION															
FUNCTIONAL SYMBOLS		DIMENSION UNITS		SCALE	CURRENT REV DESC:					molex MIC 4P M/MP ULOCK 90/90 XM					
		mm		3:2											
DIVISIONAL SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)			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										
		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					THIRD ANGLE PROJECTION		DRAWING		SERIES		DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION
							A3-SIZE		120108		1201080106		PSD	000	A
											SEE PART LIST		GENERAL MARKET		1 OF 1

NOTES :

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

6

5

4

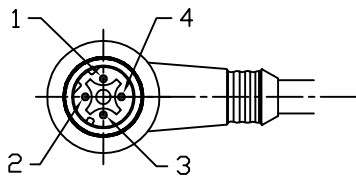
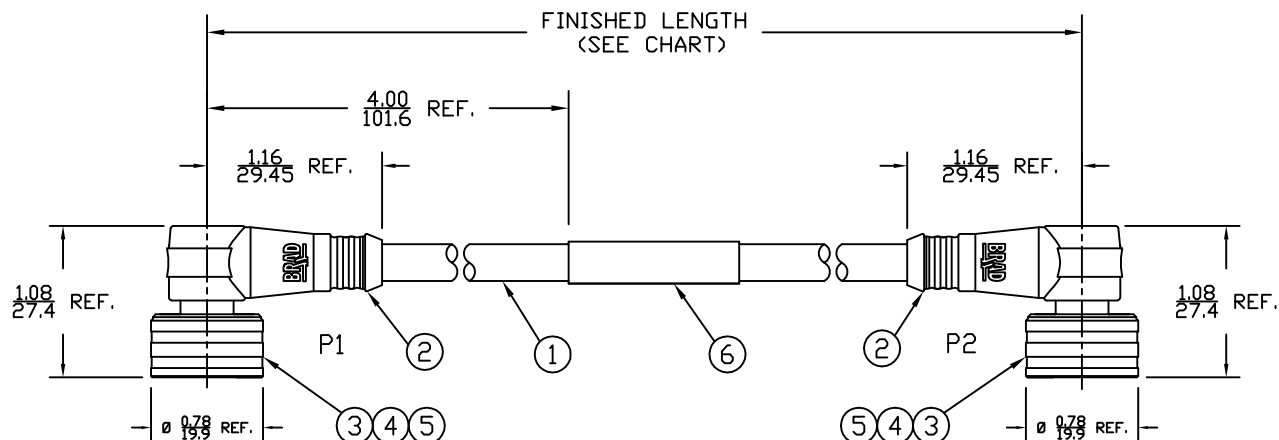
3

2

1

PART NUMBER	ENGINEERING NO.	LENGTH ± TOLERANCE
1201080106	EWWA06310M010	3' 3" +2.19"/-0" [1M +55.6/-0 mm]
1201080108	EWWA06310M050	16' 4" +6.5"/-0" [5M +165.0/-0 mm]

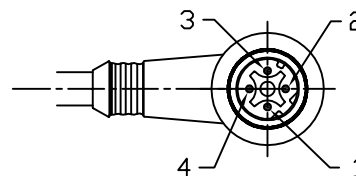
AUX VIEW
SCALE 1:4



MALE- FACE VIEW

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

WIRING DIAGRAM



MALE- FACE VIEW

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	
1	REV		mm		INCH		DRAWN BY		DATE	
			4 PLACES ±----		±----		VOU		2009/07/07	
			3 PLACES ±----		±.005		CHECKED BY		DATE	
			2 PLACES ±----		±.010		BWOODMAN		2009/07/31	
			1 PLACE ±----		±.020		APPROVED BY		DATE	
			---		---		molex		MOLEX INCORPORATED	
			ANGULAR ±1/2°				MATERIAL NO.		DOCUMENT NO.	
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				SEE CHART		SD-120108-012	
							SIZE A		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
									SHEET NO. 1 OF 1	