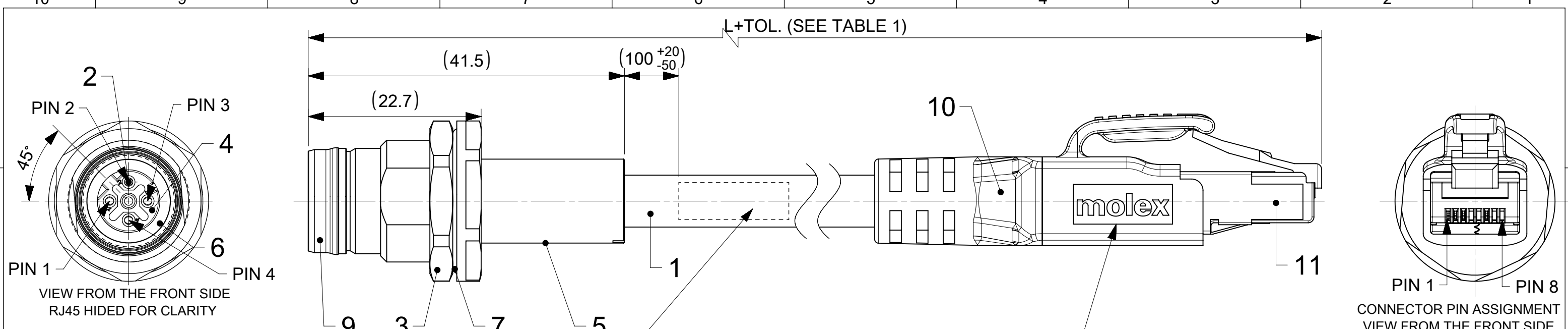




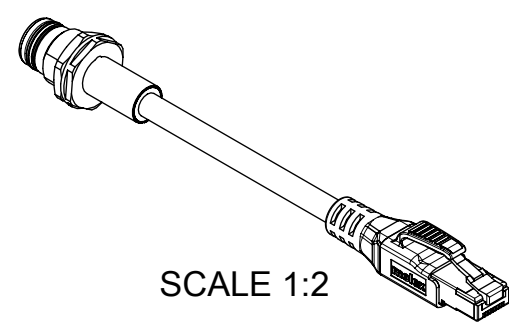
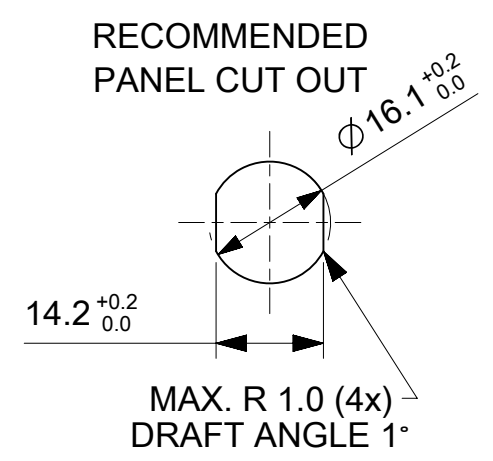
NOTES:
CABLE:
CABLE TYPE 12:
AWG 22 Ø6.8±0.2mm UL STYLE 21215
MIN. BENDING RADIUS: 7.5xD
COLOR: GREEN RAL 6018
TEMPRETURE RATING (FIXED): -40 °C TO +80 °C
TEMPRETURE RATING (FLEXIBLE): -10 °C TO +70 °C

CABLE TYPE 16:
AWG 26/24 Ø6.5±0.2mm UL STYLE 21215
MIN. BENDING RADIUS: 7.5xD
COLOR: TEAL
TEMPRETURE RATING (FIXED): -40 °C TO +80 °C
TEMPRETURE RATING (FLEXIBLE): -10 °C TO +70 °C

VOLTAGE RATING: 30 V A.C. OR 42 V D.C.
CURRENT RATING: 1.5 A
TEMPERATURE RANGE PLUG: -40 °C TO +85 °C
MATING CYCLES: MIN. 100
IP RATING:
M12 SIDE IP 67 (IN MATED AND LOCKED CONDITION), RJ45 SIDE IP 20
TRANSMISSION CHARACTERISTICS ACCORDING TO ISO/IEC 11801 CATEGORY 5e
PATCH CORD PROFINET TYPE C.

BILL OF MATERIAL				
ITEM	QTY	DESCRIPTION	MATERIAL	FINISH
1	-	SEE NOTES	SEE PART LIST	SEE PART LIST
2	4	CONTACT 10 FEMALE	BRONZE	SELECTIVE GOLD OVER NICKEL
3	1	NUT M16x1.5	BRASS	NICKEL PLATED
4	1	INSERT M12 FEMALE 4P DC	TPU	BLACK
5	1	SLEEVE STR L25D10	BRASS	NICKEL PLATED
6	1	O-RING	FPM	RED
7	1	O-RING	NBR	BLACK
8	-	ADH PUR 2K WEVO CASTING RESIN PU552FL/10 ADH PUR 2K HARD WEVONAT 300M BN V0	WEVO	-
9	1	SHELL U12 M12x1 M16x1.5 BM	BRASS	NICKEL PLATED
10	-	TPU UF NATURAL C98A10 MASTERBATCH COLORANT BLACK	TPU	BLACK
11	1	RJ-45 PLUG, 4C, SHLD .06 COND, .31 OD RJ45 PLUG SENTINEL 111S08080090H34	-	-
12	10g	JETMELT ADHESIVE (HOTMELT)	-	-
13	50mm	TAPE;0.060MMx7MMx33M;ADHESIVE	COPPER	-
DOCUMENT STATUS P1 RELEASE DATE 2023/12/21 07:17:04				

CABLE PRINTING :
Molex PN OLD ENG NO MX(YYWW*)
*Where - YY-Year, WW-Week
Example for production date year 2022 week 42:
Molex 1204061041 ERYPAU7012M005 MX2242



PART LIST		
MOLEX NO.	ENGINEERING NO.	LENGHT (mm)
1204061041	ERYPAU7012M005	500
1204061042	ERYPAU7012M010	1000
1204061043	ERYPAU7012M020	2000
1204061044	ERYPAU7012M050	5000
1204061045	ERYPAU7012M100	10000
1204061046	ERYPAU7016M005	500
1204061047	ERYPAU7016M010	1000
1204061048	ERYPAU7016M020	2000
1204061049	ERYPAU7016M050	5000
1204061050	ERYPAU7016M100	10000

TABLE 2	
CABLE LENGTH TOLERANCES	
LENGTH	TOLERANCE
0m-1m	+40 mm
>1m-5m	+60 mm
>5m-10m	+80 mm
>10m-20m	+140 mm
>20m-30m	+160 mm
>30m	+1% 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

DIMENSION UNITS

SCALE

mm

2:1

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: UPDATE TITLE BLOCK

EC NO: 772406

DRWN: FDAFERNER

CHK'D: RSILLER

APPR: RSILLER

2023/12/20

2023/12/21

2023/12/21

INITIAL REVISION:

DRWN: ARPITT

APPR: RSILLER

2022/09/26

2023/07/14

THIRD ANGLE PROJECTION

DRAWING

SERIES

MATERIAL NUMBER

CUSTOMER

SHEET NUMBER

A3-SIZE

120406

SEE PART LIST

GENERAL MARKET

1 OF 2

molex

REC U12 RJ45 4P DC FE WSOR MA XM DE SHLD

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER

DOC TYPE

DOC PART

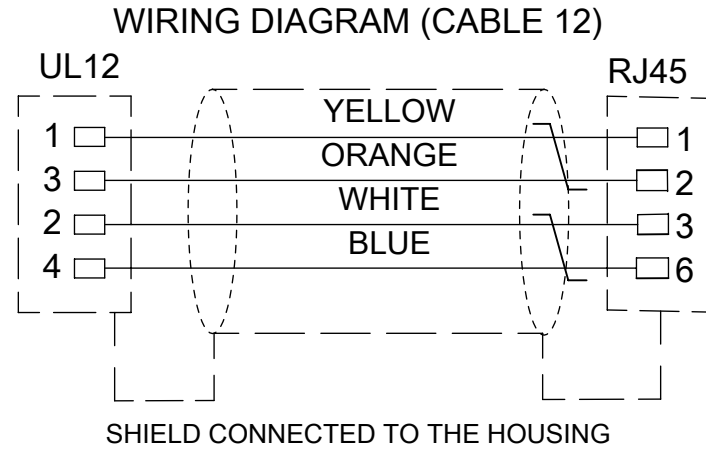
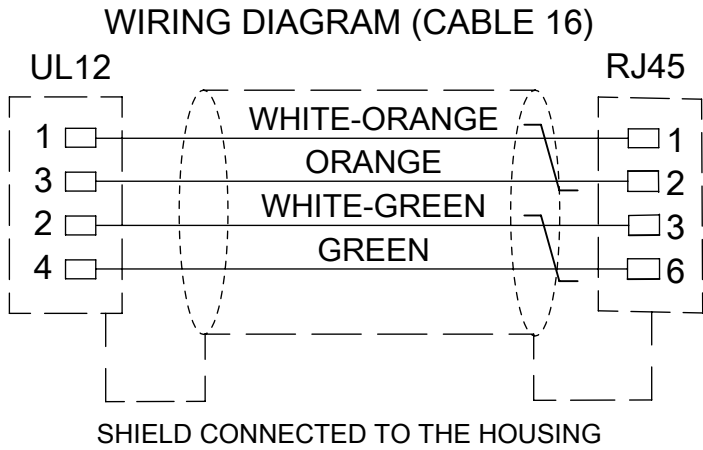
REVISION

1204061041

PSD

000

A2



PART No MATRIX :

E	R	Y	P	A	U	7	0	X	X	M	X	X	X
E=ETHERNET	HEADS STYLE : FEMALE STR REC				CABLE TYPE : CABLE 12 CABLE 16			UNITS : M= METER T=10x METER		LENGTH EXAMPLES : 005=0.5m 010=1m 150=15m			

FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
	DIMENSION UNITS	SCALE
= 0	mm	1:1
= 0	GENERAL TOLERANCES (UNLESS SPECIFIED)	
= 0	ANGULAR TOL ± 1.0 °	
DIVISIONAL SYMBOLS	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
		MATERIAL NUMBER
		CUSTOMER
		SHEET NUMBER

CURRENT REV DESC: UPDATE TITLE BLOCK			molex		
EC NO: 772406 DRWN: FDAFERNER CHK'D: RSILLER APPR: RSILLER			REC U12 RJ45 4P DC FE WSOR MA XM DE SHLD		
INITIAL REVISION: DRWN: ARPITT APPR: RSILLER			PRODUCT CUSTOMER DRAWING		
2023/12/20 2023/12/21 2023/12/21			DOCUMENT NUMBER		
2022/09/26 2023/07/14			1204061041		
			PSD 000 A2		
			A3-SIZE 120406		
			SEE PART LIST		
			GENERAL MARKET		
			2 OF 2		