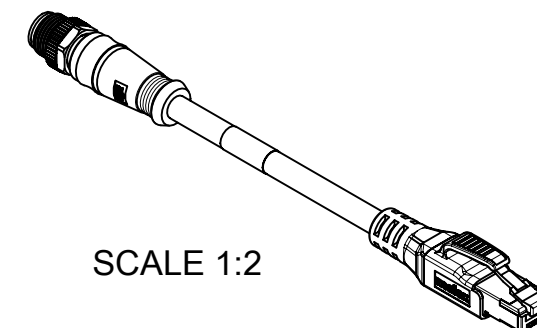
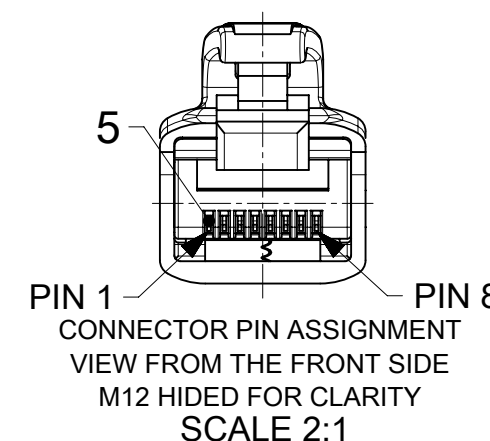
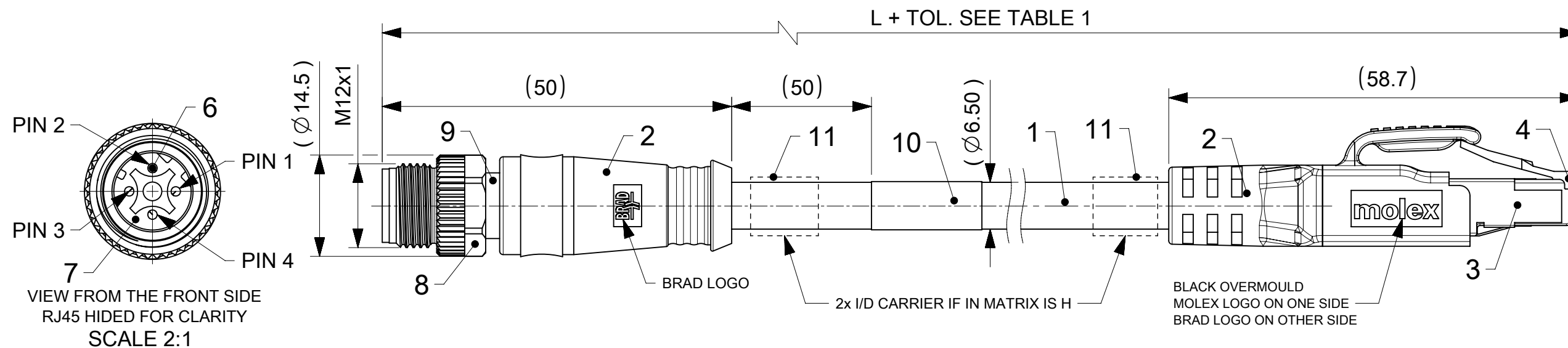
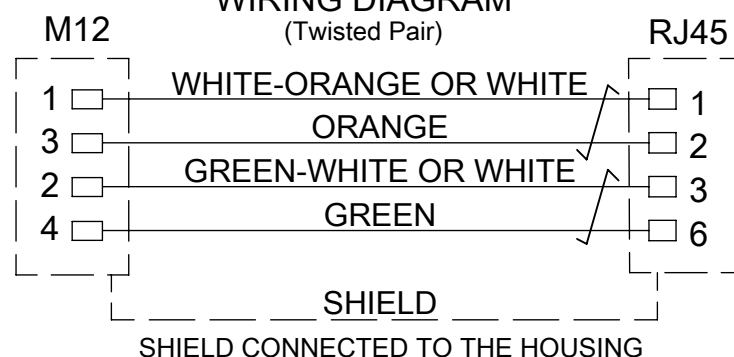


PART No. MATRIX

E	1	6	A	0	6	0	1	6	M	X	X	X	X	
E=ETHERNET/ Ethernet	HEADS: 1 = M12 D-Coding 6 = RJ45		HEADS STYLE: 060 = MALE STR / MALE STR				CABLE TYPE : CABLE 16		UNITS: M= METER T=10x METER		LENGTH EXAMPLES: 005=0.5 m 010=1 m 150=15 m T100=100 m			H= 2 PCS. OF I/D Carrier
WIRING TYPE: A=4 Pole (STRAIGHT WIRED)														



SCALE 1:2

WIRING DIAGRAM
(Twisted Pair)

TECHNICAL DATA :

- M12 D-CODED TO RJ45 CAT5e CORDSET AWG24 STRAIGHT TEAL INLINE 360° SHIELDED.
- POLES : 4
Max. VOLTAGE : 30V A.C. or 42V D.C.
Max. CURRENT : 1.5A
CONTACT RESISTANCE : $\leq 10 \text{ m}\Omega$
INSULATION WITHSTAND : $>100 \text{ M}\Omega$
PROTECTION CLASS M12 / RJ45 : IP67 / IP20
TEMPERATURE RANGE : -25°C to 80°C
- TRANSMISSION CHARACTERISTICS :
(CATEGORY) : CAT5e, EtherNET
- PACKAGING : THE CORDSETS ARE PACKED IN POLYBAG
- TRANSMISSION CHARACTERISTICS ACCORDING TO
ISO/IEC 11801 CATEGORY 5e PATCH CORD PROFINET TYPE C

BOM

* NOTE : ID CARRIER APPLICABLE, IF ENGINEERING No. HAS "H" (SEE TABLE1)

11	2	ID CARRIER	PVC	TRANSPARENT
10	1	LABEL 2.0X1.75	VINYL	YELLOW
9	1	M12 M STR SHLD	BRASS	Ni-PLATED
8	1	NUT M12 MALE	BRASS	Ni-PLATED
7	1	INSERT 4P M12 MALE	PUR	BLACK
6	4	CONTACT 10 MALE	Cu/Ni2	GOLD OVER NICKEL
5	4	CONTACT RJ45	PHOSPHOR BRONZE	SELECTIVE GOLD
4	1	PLUG RJ45 TRANSPARENT	PC	-
3	1	SHIELD	BRASS	TIN
2	-	MOULDING MATERIAL	TPU	BLACK
1	-	CABLE 2x2x24AWG SHIELD	TPU	TEAL
ITEM	QTY	DESCRIPTION	MATERIAL	FINISH/COLOR

TABLE 1

MOLEX PN	ENGINEERING NO	L (m)	MOLEX PN	ENGINEERING NO	L (m)
1201088776	E16A06016M003	0.3	1201088462	E16A06016M250	25
1201088777	E16A06016M006	0.6	1201088460	E16A06016M150	15
1201088450	E16A06016M010	1	1201088463	E16A06016M300	30
1201088451	E16A06016M020	2	1201088461	E16A06016M200	20
1201088452	E16A06016M030	3	1201088464	E16A06016M350	35
1201088453	E16A06016M040	4	1201088465	E16A06016M400	40
1201088454	E16A06016M050	5	1201088466	E16A06016M450	45
1201088455	E16A06016M060	6	1201088467	E16A06016M500	50
1201088533	E16A06016M070	7	1201088468	E16A06016M550	55
1201088456	E16A06016M080	8	1201088469	E16A06016M600	60
1201088457	E16A06016M090	9	1201088470	E16A06016M650	65
1201088458	E16A06016M100	10	1201088471	E16A06016M700	70
1201088459	E16A06016M120	12	1201088472	E16A06016M750	75
1201088534	E16A06016M140	14	1201088473	E16A06016M800	80
1201088526	E16A06016M850	85	1201088527	E16A06016M900	90
DOCUMENT STATUS	P1	RELEASE DATE	2021/12/21 11:53:01		

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	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	SCALE	CURRENT REV DESC:			
$\nabla/A = 0$	mm	3:2	molex CSE M12 ETH 4P DC MA STR WSOR RJ45 XM DE SHLD D6.5 TEAL PRODUCT CUSTOMER DRAWING DOCUMENT NUMBER: 1201088450, DOC TYPE: PSD, DOC PART: 000, REVISION: A1 EC NO: 689781, DRWN: SSM, CHK'D: RSILLER, APPR: RSILLER, INITIAL REVISION: DRWN: MDHARMANTI, APPR: RSILLER, THIRD ANGLE PROJECTION, DRAWING: A3-SIZE, SERIES: 120108, MATERIAL NUMBER: SEE TABLE 1, CUSTOMER: GENERAL MARKET, SHEET NUMBER: 1 OF 1			
$\nabla/E = 0$	GENERAL TOLERANCES (UNLESS SPECIFIED)					
$\nabla/F = 0$	ANGULAR TOL $\pm 1.0^\circ$					
DIVISIONAL SYMBOLS	4 PLACES $\pm$					
	3 PLACES $\pm$					
	2 PLACES ± 0.05					
	1 PLACE ± 0.3					
	0 PLACES ± 0.5					
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS					