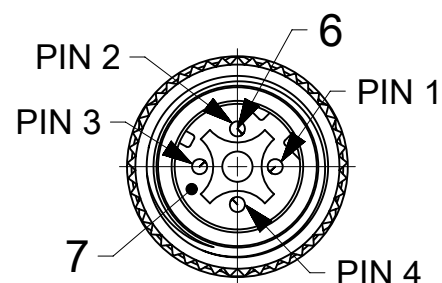
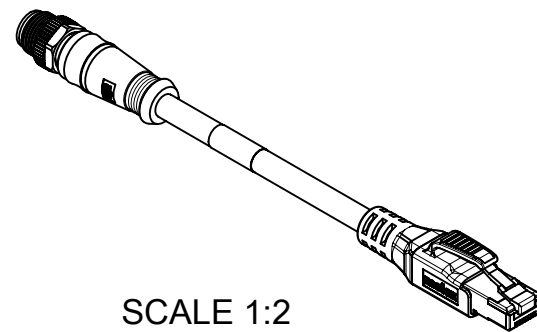


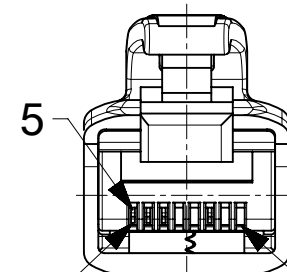
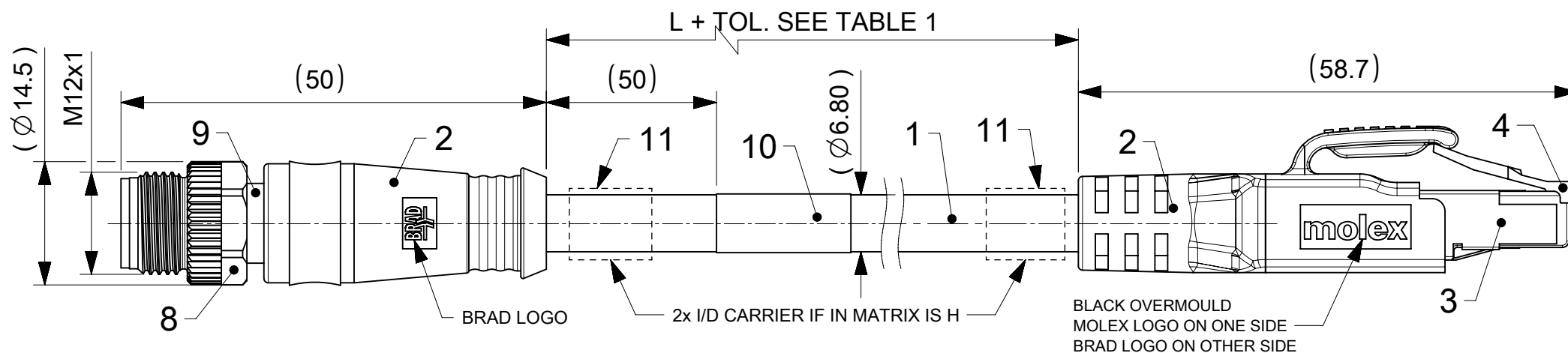
E	1	6	A	0	6	0	1	2	M	X	X	X	X
---	---	---	---	---	---	---	---	---	---	---	---	---	---

H= 2 PCS. OF I/D Carrier

SCALE 1:2



VIEW FROM THE FRONT SIDE
RJ45 HIDDEN FOR CLARITY
SCALE 2:1



PIN 1  PIN 8
CONNECTOR PIN ASSIGNMENT
VIEW FROM THE FRONT SIDE
M12 HIDE FOR CLARITY
SCALE 2:1

WIRING DIAGRAM

M12		RJ45
1	YELLOW	1
3	ORANGE	2
2	WHITE	3
4	BLUE	6
SHIELD		

SHIELD CONNECTED TO THE HOUSING

TECHNICAL DATA :
M12 D-Coded to RJ45 CAT5e Cordset AWG22
straight green 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 M12 / RJ45 : IP67 / IP20
Temperature range : -25°C to 85°C

Transmission characteristics
ACCORDING TO ISO 11801 CATEGORY 5e
PATCH CORD PROFINET TYPE C

Packaging :
The cordsets are packed in a polybag.

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 2x2x22AWG SHIELD	TPU	GREEN
ITEM	QTY	DESCRIPTION	MATERIAL	FINISH/COLOR

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															
= 0		DIMENSION UNITS		SCALE		CURRENT REV DESC: NEW P/N ADDED				molex							
= 0		mm		3:2										CSE M12 ETH 4P DC MA STR WSOR RJ45 XM DE SHLD D6.8 GN			
= 0		GENERAL TOLERANCES (UNLESS SPECIFIED)															
		ANGULAR TOL ± °															
DIVISIONAL SYMBOLS		4 PLACES		±						EC NO: 731492				PRODUCT CUSTOMER DRAWING			
		3 PLACES		±		DRWN: RSCHIEBER 2022/12/08											
		2 PLACES		±		CHK'D: RSILLER 2022/12/09											
		1 PLACE		±		APPR: RSILLER 2022/12/09											
		0 PLACES		±		INITIAL REVISION:											
						DRWN: MDHARMANTI 2020/01/13				DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION	
						APPR: RSILLER 2021/06/02				1201080521		PSD		000		A3	
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
								A3-SIZE		120108		SEE TABLE 1		GENERAL MARKET		1 OF 2	

