

PART No. MATRIX

E

1

6

A

0

6

0

1

2

M

X

X

X

X

E=ETHERNET/
Ethernet

HEADS:
1 = M12 D-Coding
6 = RJ45

HEADS STYLE:
060 = MALE STR / MALE STR

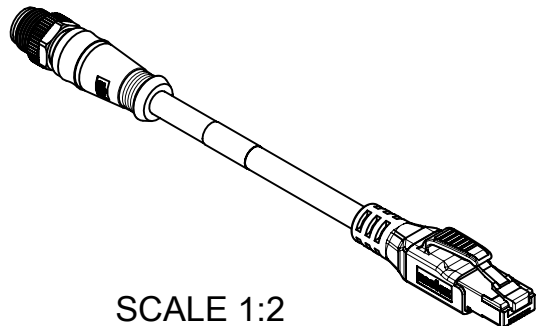
CABLE TYPE :
CABLE 12

UNITS:
M= METER
T=10x METER

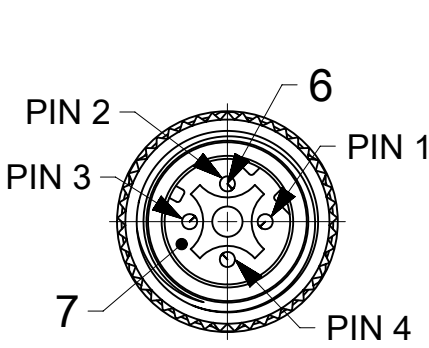
LENGTH EXAMPLES:
005=0.5 m
010=1 m
150=15 m
T100=100 m

H= 2 PCS. OF I/D Carrier

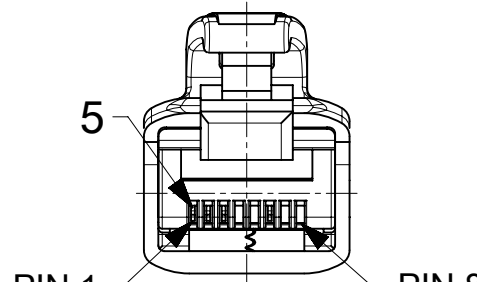
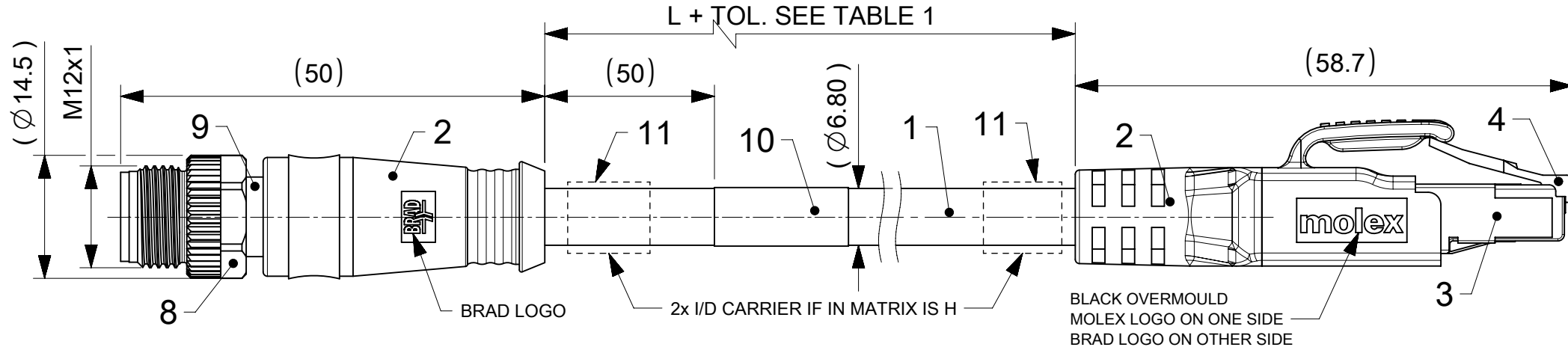
WIRING TYPE:
A=4 Pole (STRAIGHT WIRED)



SCALE 1:2



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



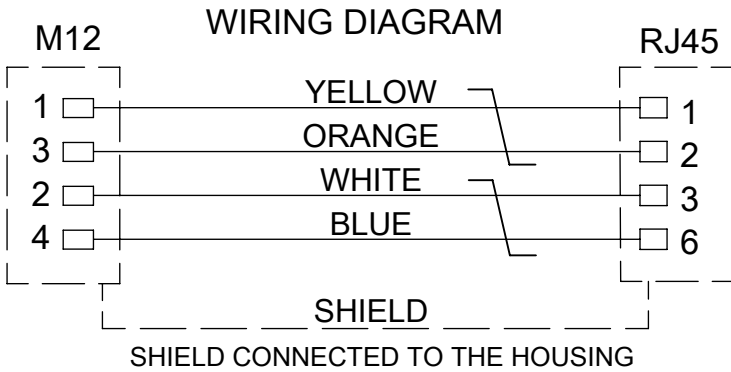
CONNECTOR PIN ASSIGNMENT
VIEW FROM THE FRONT SIDE
M12 HIDDEN FOR CLARITY
SCALE 2:1

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 : ≤10 mΩ
Insulation Withstand : >100MΩ
Protection M12 / RJ45 : IP67 / IP20
Temparature 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

mm

3:2

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL ± °

4 PLACES ±

3 PLACES ±

2 PLACES ±

1 PLACE ±

0 PLACES ±

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: NEW P/N ADDED

EC NO: 731492
DRWN: RSCHIEBER
CHK'D: RSILLER
APPR: RSILLER

2022/12/08
2022/12/09
2022/12/09

INITIAL REVISION:
DRWN: MDHARMANTI
APPR: RSILLER

2020/01/13
2021/06/02

THIRD ANGLE PROJECTION

DRAWING

SERIES

MATERIAL NUMBER

CUSTOMER

SHEET NUMBER

molex

CSE M12 ETH 4P DC MA STR WSOR RJ45
XM DE SHLD D6.8 GN

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER

DOC TYPE

DOC PART

REVISION

1201080521

PSD

000

A3

SEE TABLE 1

GENERAL MARKET

1 OF 2

