

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

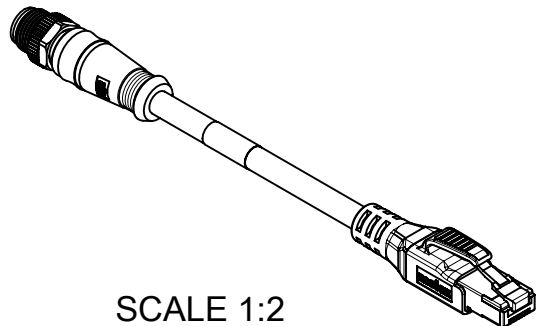
CABLE TYPE :
CABLE 12

UNITS:
M= METER
T=10x METER

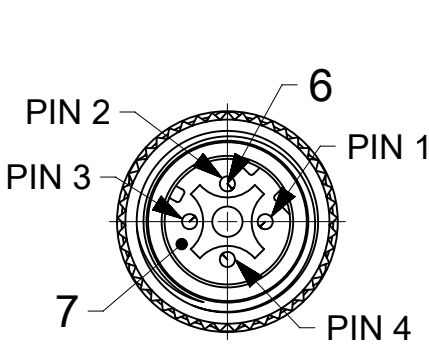
LENGTH EXAMPLES:
005=0.5 m
010=1 m
150=15 m
T100=100 m

H= 2 PCS. OF I/D Carrier

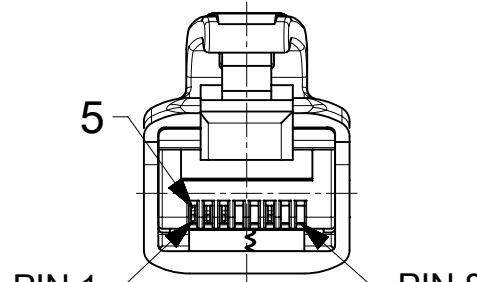
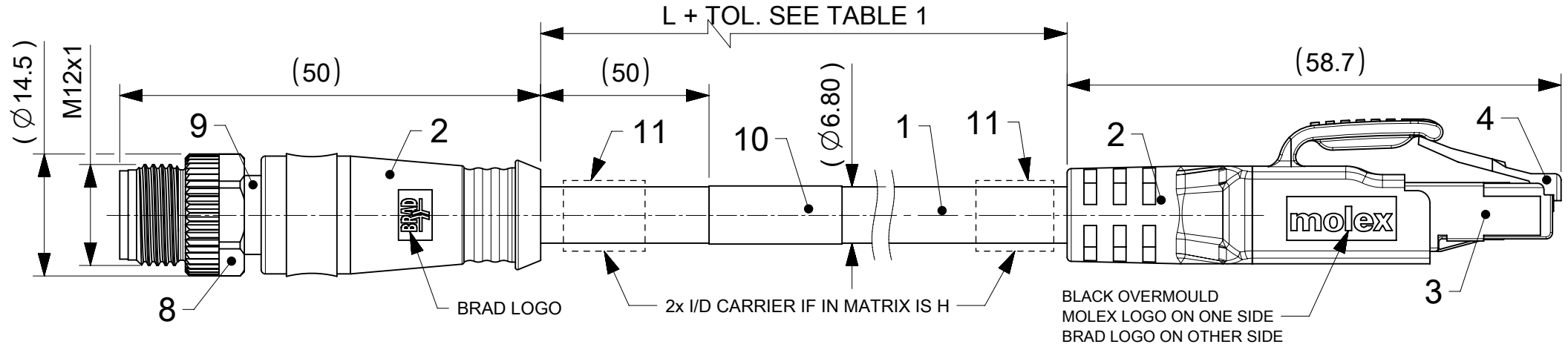
WIRING TYPE:
A=4 Pole (STRAIGHT WIRED)



SCALE 1:2



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



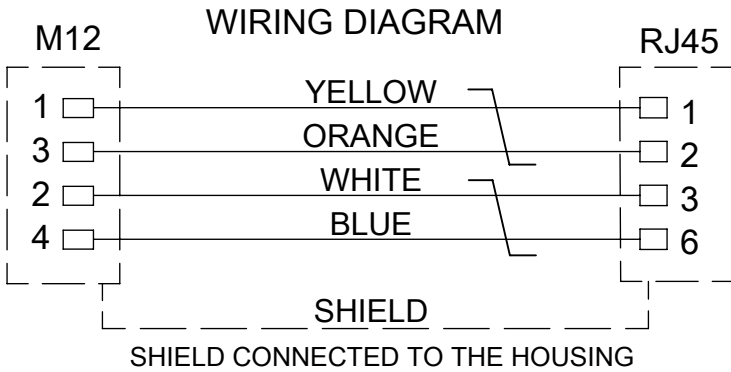
CONNECTOR PIN ASSIGNMENT
VIEW FROM THE FRONT SIDE
M12 HIDDEN FOR CLARITY
SCALE 2:1

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
CURRENT REV DESC: NEW P/N ADDED

SCALE
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

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
A3-SIZE

SERIES
120108

MATERIAL NUMBER
SEE TABLE 1

CUSTOMER
GENERAL MARKET

SHEET NUMBER
1 OF 2

molex

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

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER
1201080521

DOC TYPE
PSD

DOC PART
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REVISION
A3

