

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

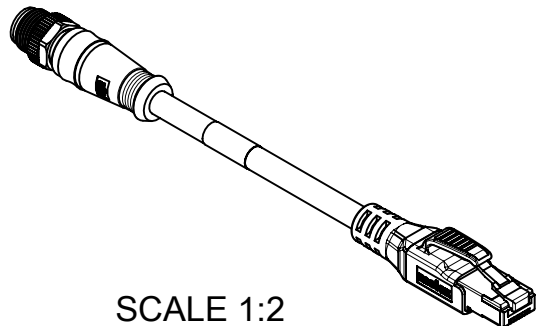
CABLE TYPE :  
CABLE 12

UNITS:  
M= METER  
T=10x METER

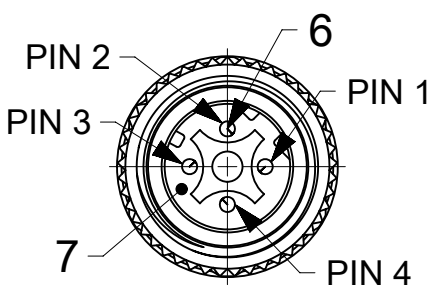
LENGTH EXAMPLES:  
005=0.5 m  
010=1 m  
150=15 m  
T100=100 m

H= 2 PCS. OF I/D Carrier

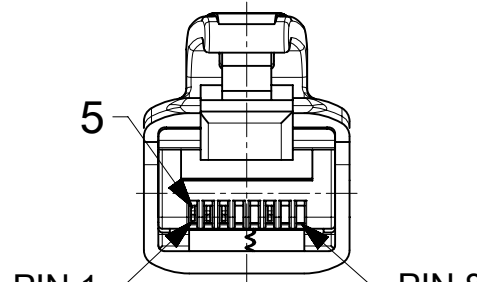
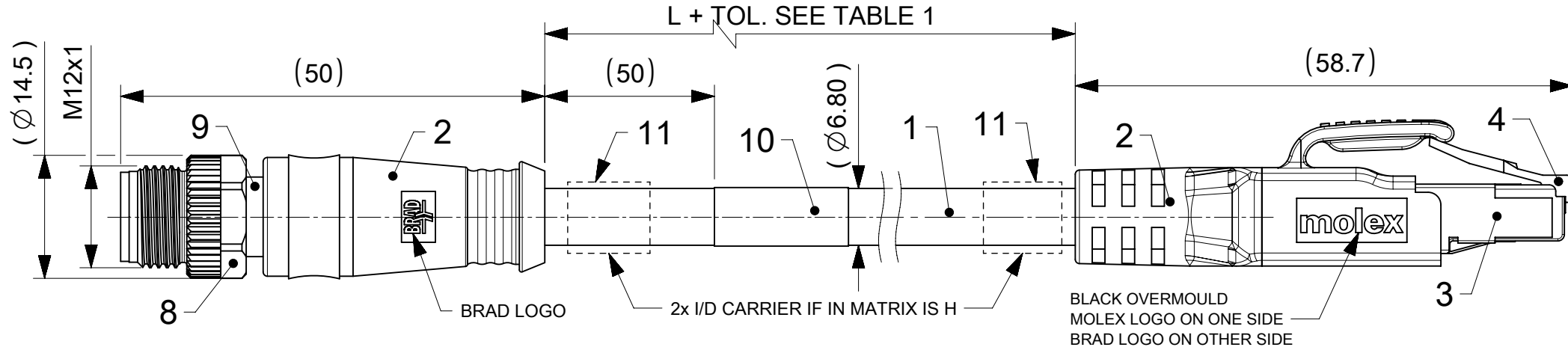
WIRING TYPE:  
A=4 Pole (STRAIGHT WIRED)



SCALE 1:2



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



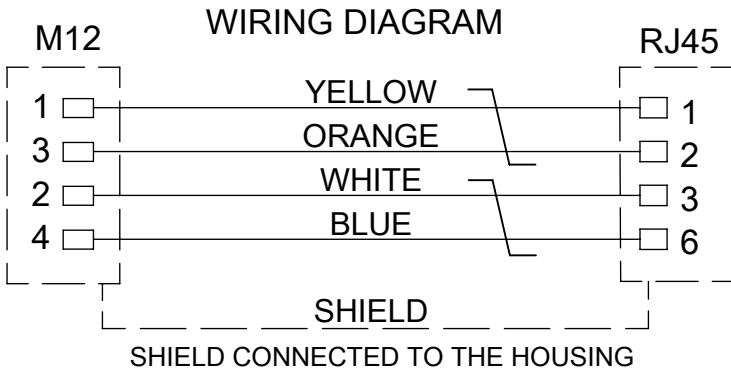
CONNECTOR PIN ASSIGNMENT  
VIEW FROM THE FRONT SIDE  
M12 HIDDEN FOR CLARITY  
SCALE 2:1

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

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

EC NO: 731492

DRWN: RSCHIEBER

CHK'D: RSILLER

APPR: RSILLER

INITIAL REVISION:

DRWN: MDHARMANTI

APPR: RSILLER

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

