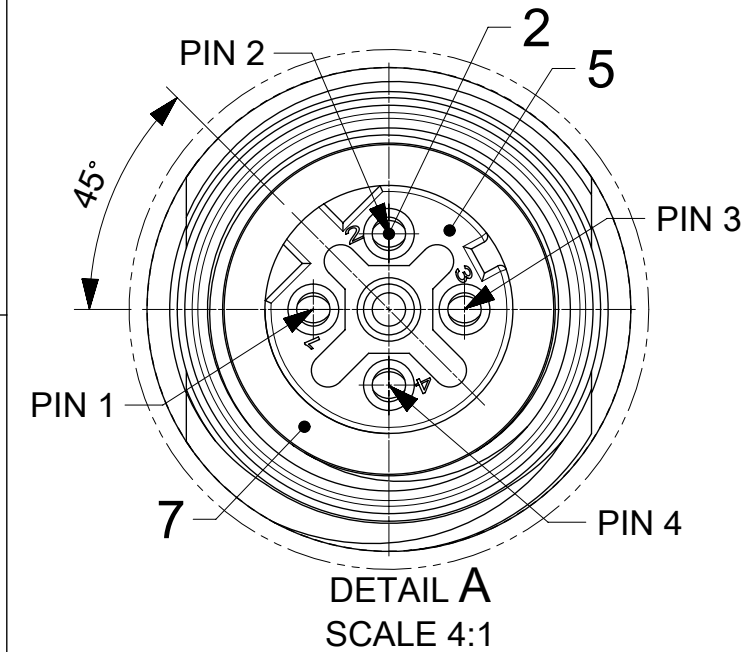
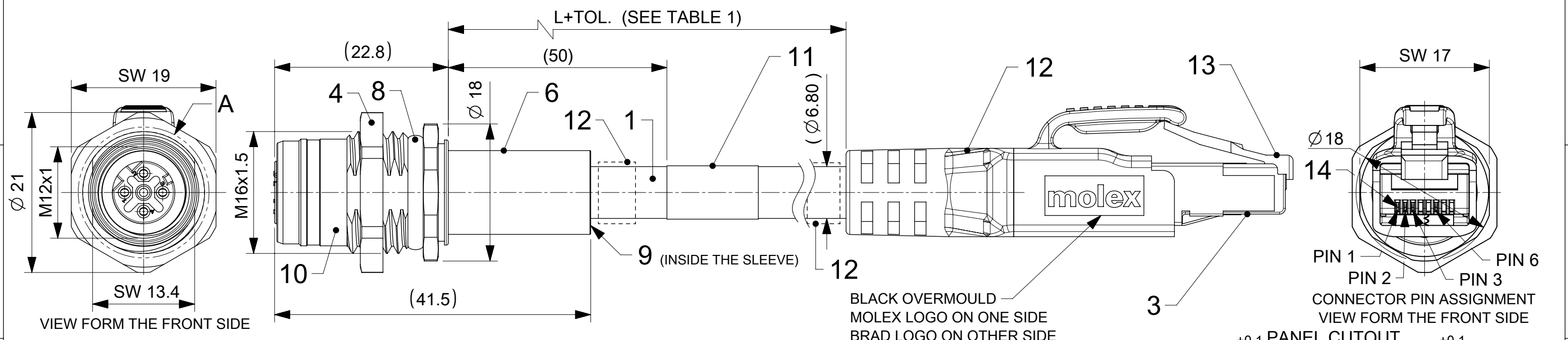




TECHNICAL DATA :
REC M12 D-Coded to RJ45 CAT5e Cordset AWG22
straight green inline 360° shielded.

Poles : 4
Max. Voltage : 30V A.C. or 42V D.C.
Max. Current : 1.5A
Contact resistance : ≤10 mΩ
Insulation Withstand : >100MΩ
Protection REC. M12 / RJ45 : IP67 (MOUNTED) / IP20
REC. M12 : IP20 (UNMOUNTED)
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.

DOCUMENT STATUS	P1	RELEASE DATE	2021/09/13	14:20:59
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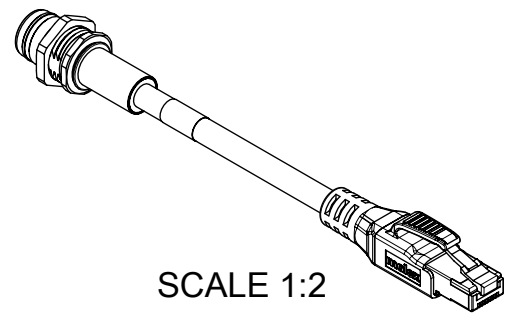
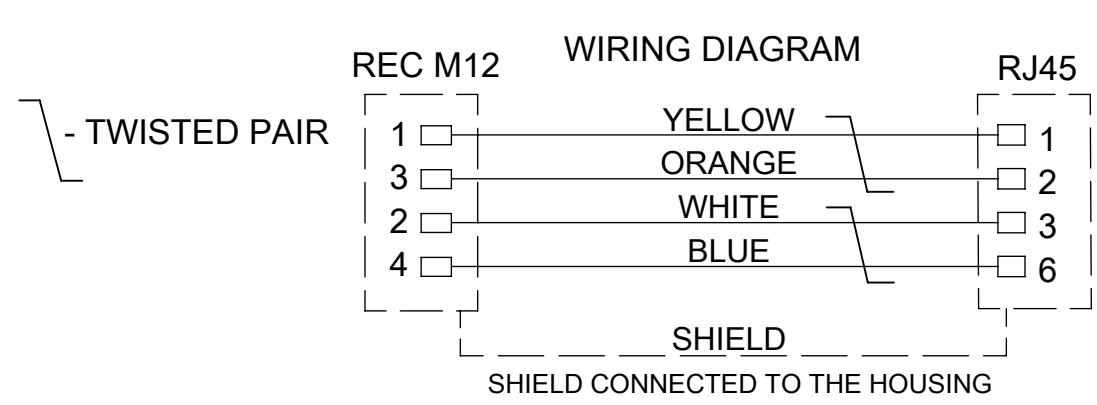


TABLE 2 CABLE LENGTH TOLERANCES	
LENGTH	TOLERANCE
0m-1m	+40 mm
>1m-5m	+60 mm
>5m-10m	+80 mm
>10m-20m	+140 mm
>20m-30m	+160 mm
>30m	+1% length

TABLE 2 2 QTY ID CARRIER APPLICABLE, IF ENGINEERING NO. HAS "H" (SEE PART LIST)

ITEM	QTY	DESCRIPTION	MATERIAL	FINISH
1	-	CABLE 2x2x22AWG SHLD	TPU	GREEN
2	4	CONTACT 10 FEMALE	BRONZE	SELECTIVE GOLD OVER NICKEL
3	1	RJ45 PLUG SHIELD	BRASS	TIN
4	1	NUT M16x1.5	BRASS	NICKEL PLATED
5	1	INSERT M12 FEMALE 4P DC	TPU	BLACK
6	1	SLEEVE STR L25D10	BRASS	NICKEL PLATED
7	1	O-RING	FPM	RED
8	1	O-RING	NBR	BLACK
9	-	POTTING MATERIAL	WEVO	-
10	1	SHELL U12 M12x1 M16x1.5 BM	BRASS	NICKEL PLATED
11	1	LABEL	-	-
12	-	MOULDING MATERIAL	TPU	BLACK
13	1	PLUG RJ45 TRANSPARENT	PC	-
14	4	CONTACT RJ45	PB	SELECTIVE GOLD OVER NICKEL
15	-	ID CARRIER	PVC	TRANSPARENT

FUNCTIONAL SYMBOLS

$\nabla A = 0$
 $\nabla E = 0$
 $\nabla F = 0$

DIVISIONAL 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 PNS ADDED; BOM UPDATED

EC NO: 677462
DRWN: SSM
CHK'D: RSILLER
APPR: RSILLER

INITIAL REVISION:
DRWN: FGAIK
APPR: RSILLER

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION UNITS

mm

SCALE

2:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL ± 1.0°

4 PLACES ±

3 PLACES ±

2 PLACES ± 0.05

1 PLACE ± 0.3

0 PLACES ± 0.5

THIRD ANGLE PROJECTION

DRAWING

SERIES

MATERIAL NUMBER

CUSTOMER

SHEET NUMBER

2021/07/29

2021/09/13

2021/09/13

2016/12/01

2016/12/05

A3-SIZE

120108

SEE PART LIST

GENERAL MARKET

1 OF 2

molex

REC U12 ETH 4P DC FE WSOR RJ45 XM
M16 BM DE SHLD D6.8 GN BRA

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER

1201088377

DOC TYPE

PSD

DOC PART

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REVISION

B2

