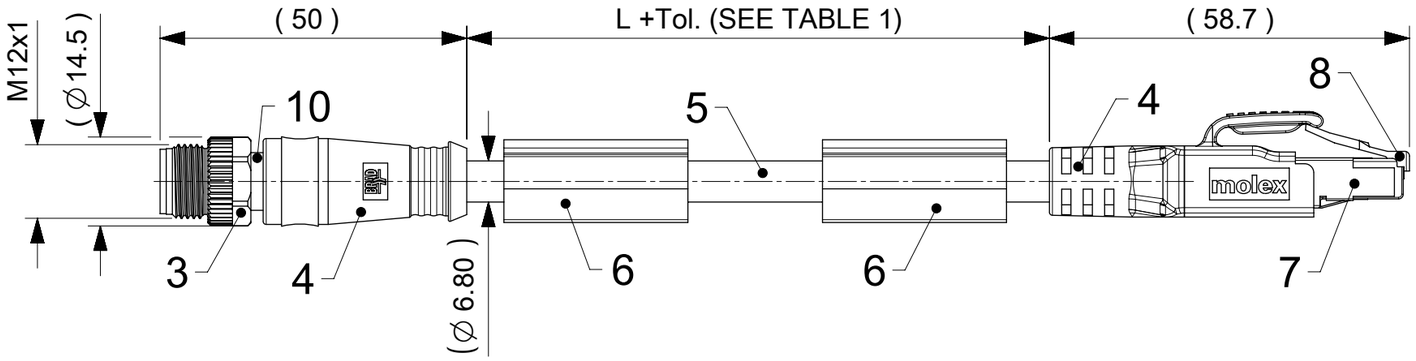
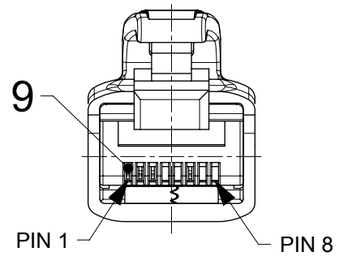


VIEW FROM THE FRONT SIDE
RJ45 HIDED FOR CLARITY
SCALE 2:1





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

WIRING DIAGRAM

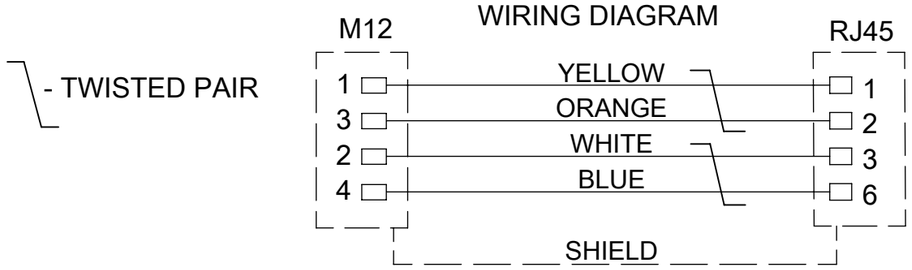


TABLE 1

MOLEX PN	L [mm]	Tol. [mm]
1201088657	1000	+40
1201088592	2000	+60
1201088593	3000	+60
1201088594	5000	+60
1201088595	8000	+80
1201088596	10000	+80
1201088597	13000	+140
1201088598	15000	+140
1201088599	18000	+140
1201088600	20000	+140
1201088601	23000	+160
1201088602	25000	+160

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.

BILL OF MATERIALS

ITEM	QTY	DESCRIPTION	MATERIAL	FINISH
1	1	INSERT M12 MALE 4P DC	ELASTOLLAN	-
2	4	CONTACT 10 MALE	COPPER ALLOY	GOLD OVER NICKEL
3	1	NUT M12 MALE	BRASS	Ni-PLATED
4	-	OVERMOLD	TPU	BLACK
5	-	CABLE 2x2x22AWG SHLD	SPECIAL COMPOUND (TPU BASED)	GREEN
6	2	I/D CARRIER	PVC	-
7	1	SHIELD	BRASS	TIN
8	1	PLUG RJ45 TRANSPARENT	PC	-
9	4	CONTACT RJ45	PHOSPHOR BRONZE	SELECTIVE GOLD
10	1	M12 MALE STR SHIELD	BRASS	Ni-PLATED

DOCUMENT STATUS	P1	RELEASE DATE	2024/07/31 10:04:13

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

FUNCTIONAL SYMBOLS: FA = 0, FC = 0, FD = 0
DIVISIONAL SYMBOLS

DIMENSION UNITS: mm
SCALE: 1:1
GENERAL TOLERANCES (UNLESS SPECIFIED)
ANGULAR TOL ± 1.0°
4 PLACES ±
3 PLACES ±
2 PLACES ± 0.05
1 PLACE ± 0.3
0 PLACES ± 0.5
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: CHANGED TO GENERAL MARKET
EC NO: 793729
DRWN: RSCHIEBER 2024/07/22
CHK'D: RSILLER 2024/07/31
APPR: RSILLER 2024/07/31
INITIAL REVISION:
DRWN: FGAIK 2017/02/24
APPR: MIWASIECZKO 2017/03/23

molex

CSE M12ETH 4P DC MA STR RJ45 STR WSOR XM

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
1201088592	PSD	000	B1

THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	A3-SIZE	120108	SEE TABLE 1	GENERAL MARKET	1 OF 1

Downloaded from Arrow.com.