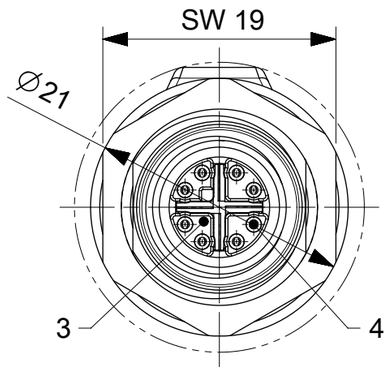
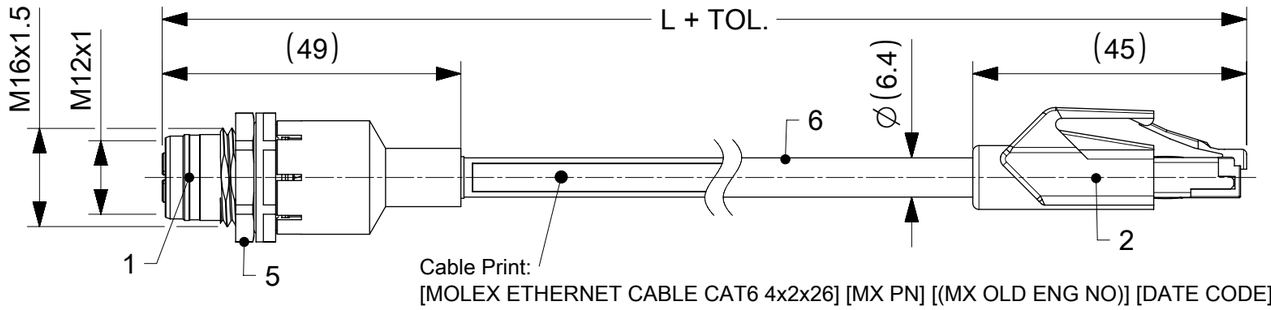
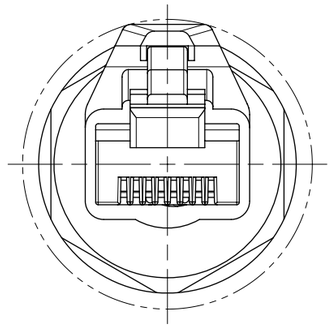


SEE DETAIL-B
SCALE 2:1



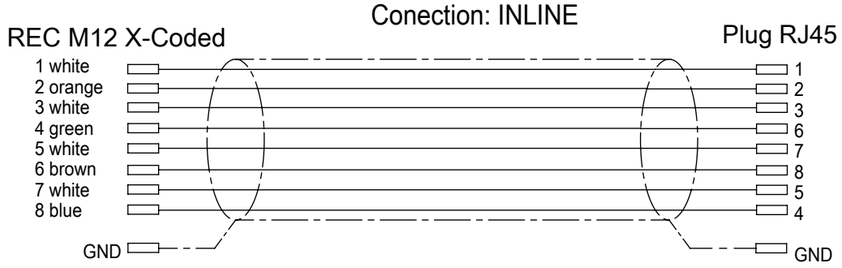
Cable Print:
[MOLEX ETHERNET CABLE CAT6 4x2x26] [MX PN] [(MX OLD ENG NO)] [DATE CODE] according to WN-00001
i.e. MOLEX ETHERNET CABLE CAT6A 4x2x26 1203410750 (ERWPEU7020M005) MX1922



SEE DETAIL-A
SCALE 2:1

Wiring Diagram

Conection: INLINE



Techanical Data:

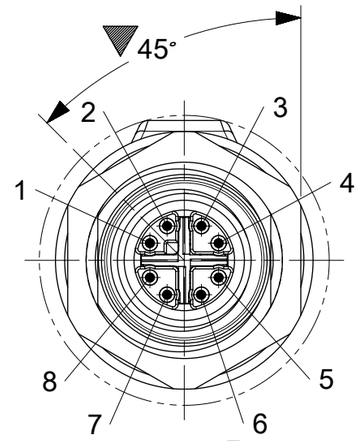
Rec M12 X-Coded To Plug M12 X-Coded AWG26
straight blue inline 360° shielded.

Poles :	8
Max. Voltage :	48V
Max Current :	0.5A
Contact resistance :	<5mOhm
Insulation withstand :	>100MOhm
IP Protection :	
RJ45 Connector :	IP20
M12 Receptacle (Female) :	IP67 (When mated and panel mounted)
	IP20 (Unmounted)
Temprature range :	-40°C to 70°C

Low-Halogen-Status according to IEC 60754-1/-2

Packaging :
The receptacles are packed in a polybag.

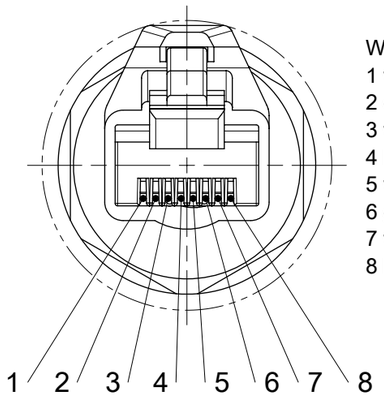
Connector pin assignment
Rec M12 X-Coded
Pin side view



DETAIL B
SCALE 2:1

Wiring Scheme M12 XC
1 white
2 orange
3 white
4 green
5 white
6 brown
7 white
8 blue

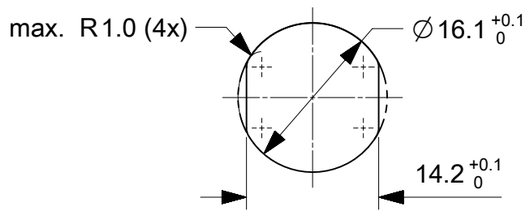
Connector pin assignment
Plug RJ45



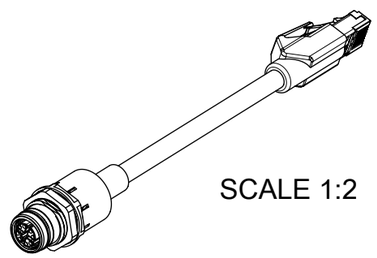
DETAIL A
SCALE 2:1

Wiring Scheme RJ45
1 white
2 orange
3 white
4 blue
5 white
6 green
7 white
8 brown

Panel Cutout



Cutout - draft angle recommended
less than 1°



SCALE 1:2

TABLE 2

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

TABLE 1

MOLEX P/N	ENGINEERING NO.	DESCRIPTION	L [mm]
1203410750	ERWPEU7020M005	REC M12 CAT6A RJ45 FE STR PUR BLUE	500
1203410751	ERWPEU7020M010	REC M12 CAT6A RJ45 FE STR PUR BLUE	1000
1203410752	ERWPEU7020M020	REC M12 CAT6A RJ45 FE STR PUR BLUE	2000
1203410753	ERWPEU7020M030	REC M12 CAT6A RJ45 FE STR PUR BLUE	3000
1203410754	ERWPEU7020M040	REC M12 CAT6A RJ45 FE STR PUR BLUE	4000
1203410755	ERWPEU7020M050	REC M12 CAT6A RJ45 FE STR PUR BLUE	5000
1203410756	ERWPEU7020M100	REC M12 CAT6A RJ45 FE STR PUR BLUE	10000
1203410757	ERWPEU7020M150	REC M12 CAT6A RJ45 FE STR PUR BLUE	15000

BOM

ITEM	QTY	DESCRIPTION	MATERIAL	FINISH
1	1	REC M12 CAT6A	NA	NA
2	1	PLUG RJ45	NA	BLACK
3	1	INSERT	PA	BLACK
4	8	CONTACT	BRASS	Ni PLATED
5	1	LOCKNUT	BRASS	Ni PLATED
6	-	CABLE	PUR	BLUE

DOCUMENT STATUS	P1	RELEASE DATE	2019/10/15 09:21:24

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SYMBOLS: = 0, = 0, = 0, = 0, = 1, = 0, = 0, = 0, = 0

DIMENSION UNITS: mm
SCALE: 1:1
GENERAL TOLERANCES (UNLESS SPECIFIED)

	MM	INCH
4 PLACES	±	±
3 PLACES	±	±
2 PLACES	± 0.05	±
1 PLACE	± 0.3	±
0 PLACES	± 0.5	±
ANGULAR TOL	± 1.0 °	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 625632
DRWN: MDHARMANTI 2019/10/10
CHK'D: RSILLER 2019/10/15
APPR: RSILLER 2019/10/15

INITIAL REVISION:
DRWN: ZISMAYILOV 2018/05/06
APPR: RSILLER 2014/05/27

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 120341

molex

REC M12 CAT6A RJ45 8P FE STR PUR 0.5M

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
1203410750	PSD	000	A5

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE TABLE 1	GENERAL MARKET	1 OF 1

FORMAT: Molex-Letter-tb-prod-A3
REVISION: D
DATE: 2018/01/15