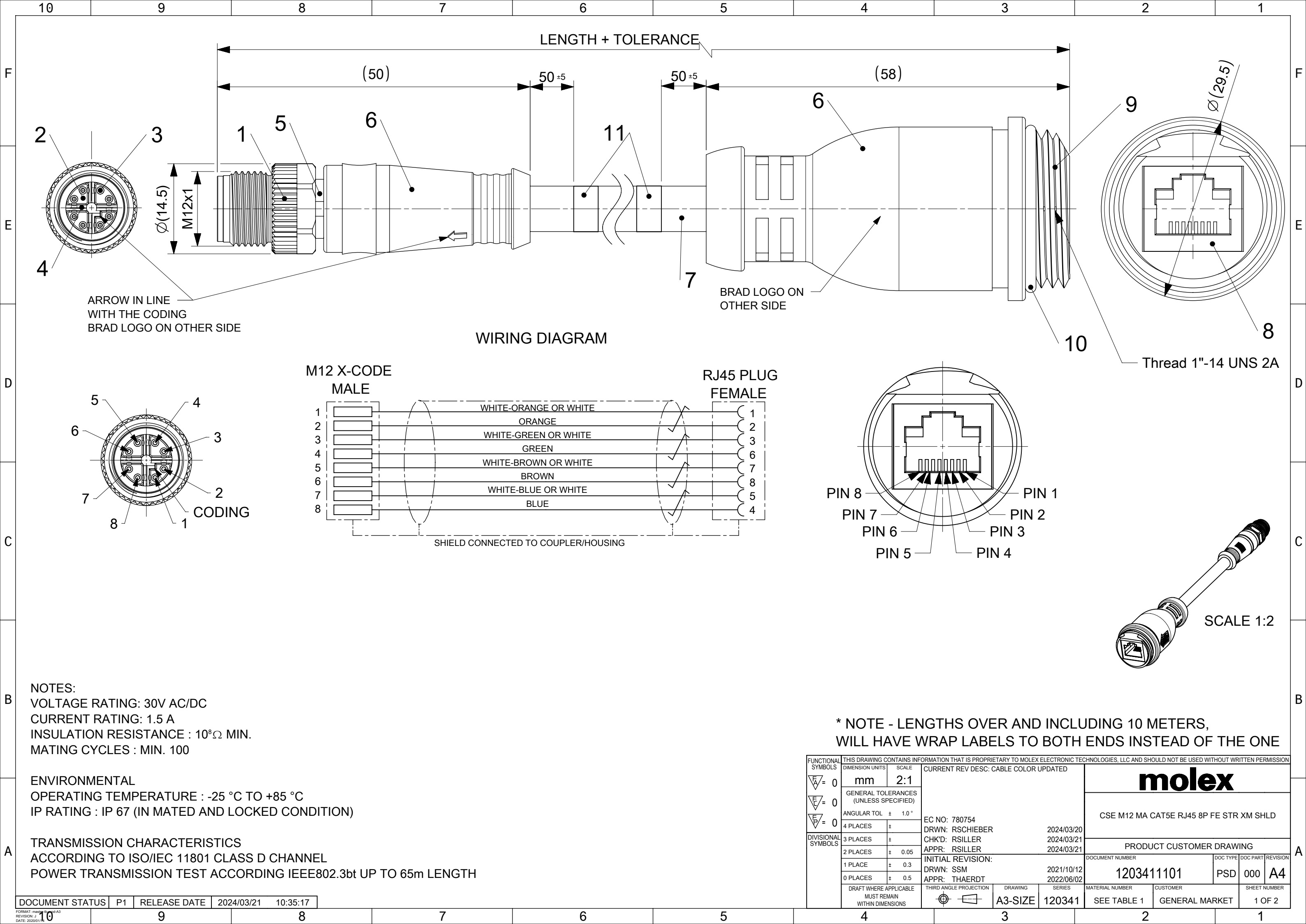




ARROW IN LINE
WITH THE CODING
BRAD LOGO ON OTHER SIDE

BRAD LOGO ON
OTHER SIDE

Thread 1"-14 UNS 2A

M12 X-CODE
MALE

RJ45 PLUG
FEMALE

SHIELD CONNECTED TO COUPLER/HOUSING

SCALE 1:2

NOTES:
VOLTAGE RATING: 30V AC/DC
CURRENT RATING: 1.5 A
INSULATION RESISTANCE : 10⁸Ω MIN.
MATING CYCLES : MIN. 100

ENVIRONMENTAL
OPERATING TEMPERATURE : -25 °C TO +85 °C
IP RATING : IP 67 (IN MATED AND LOCKED CONDITION)

TRANSMISSION CHARACTERISTICS
ACCORDING TO ISO/IEC 11801 CLASS D CHANNEL
POWER TRANSMISSION TEST ACCORDING IEEE802.3bt UP TO 65m LENGTH

* NOTE - LENGTHS OVER AND INCLUDING 10 METERS,
WILL HAVE WRAP LABELS TO BOTH ENDS INSTEAD OF THE ONE

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: CABLE COLOR UPDATED			
	DIMENSION UNITS	SCALE				
$\nabla_A = 0$	mm	2:1				
$\nabla_E = 0$	GENERAL TOLERANCES (UNLESS SPECIFIED)					
$\nabla_F = 0$	ANGULAR TOL	± 1.0 °				
DIVISIONAL SYMBOLS	4 PLACES	±				
	3 PLACES	±				
	2 PLACES	± 0.05				
	1 PLACE	± 0.3				
	0 PLACES	± 0.5				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER
				A3-SIZE	120341	SEE TABLE 1
					CUSTOMER	SHEET NUMBER
					GENERAL MARKET	1 OF 2

DOCUMENT STATUS	P1	RELEASE DATE	2024/03/21	10:35:17
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PART No. MATRIX

E52E03021MXXX

E=ETHERNET/
Ethernet

HEADS:
2 = M12 x Coding
5 = RJ45 FE

WIRING TYPE:
E=8 Pole (STRAIGHT WIRED)

HEADS STYLE:
060 = MALE STR / FE RJ45 STR

CABLE TYPE :
CABLE 21

UNITS:
M= METER
T= 10xMETER

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

H= 2 PCS. OF I/D Carrier

TABLE 1

MOLEX P/N	ENGINEERING NO.	DESCRIPTION	LENGTH(mm)
1203411101	E52E03021M005	CSE M12 MA CAT5E RJ45 8P FE STR TPE GREEN TEAL SIMILAR RAL6026 0.5M SHLD	500
1203411102	E52E03021M010	CSE M12 MA CAT5E RJ45 8P FE STR TPE GREEN TEAL SIMILAR RAL6026 1M SHLD	1000
1203411103	E52E03021M020	CSE M12 MA CAT5E RJ45 8P FE STR TPE GREEN TEAL SIMILAR RAL6026 2M SHLD	2000
1203411104	E52E03021M030	CSE M12 MA CAT5E RJ45 8P FE STR TPE GREEN TEAL SIMILAR RAL6026 3M SHLD	3000
1203411105	E52E03021M040	CSE M12 MA CAT5E RJ45 8P FE STR TPE GREEN TEAL SIMILAR RAL6026 4M SHLD	4000
1203411106	E52E03021M050	CSE M12 MA CAT5E RJ45 8P FE STR TPE GREEN TEAL SIMILAR RAL6026 5M SHLD	5000
1203411107	E52E03021M060	CSE M12 MA CAT5E RJ45 8P FE STR TPE GREEN TEAL SIMILAR RAL6026 6M SHLD	6000
1203411108	E52E03021M100	CSE M12 MA CAT5E RJ45 8P FE STR TPE GREEN TEAL SIMILAR RAL6026 10M SHLD	10000

BILL OF MATERIAL:

ITEM	QTY	DESCRIPTION	MATERIAL	FINISH/COLOR
1	1	COUPLING NUT	BRASS	Ni PLATED
2	1	INSERT	PA	BLACK
3	8	CONTACT M12 XC MALE	BRASS	Au PLATED
4	1	SHIELDING CROSS	Zn DIE-CAST	-
5	1	SHIELDING SHELL	BRASS	Ni PLATED
6	-	OVERMOULD	TPU	BLACK
7	1	CABLE 4X(2X AWG26/7) CAT 7	TPE	GREEN TEAL SIMILAR RAL6026
8	1	PLUG RJ45 FEMALE	-	-
9	1	SHELL	ABS	-
10	1	GASKET	VITON	BLACK
11	1/2	WRAP LABEL(SEE * NOTE)	VINYL	YELLOW
DOCUMENT STATUS		P1	RELEASE DATE	2024/03/21 10:35:17

CABLE LENGTH TOLERANCES

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

FUNCTIONAL SYMBOLS
▽A= 0
▽E= 0
▽Z= 0

DIVISIONAL SYMBOLS

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

DIMENSION UNITS
mm

SCALE
1:1

CURRENT REV DESC: CABLE COLOR UPDATED

EC NO: 780754
DRWN: RSCHIEBER
CHK'D: RSILLER
APPR: RSILLER

2024/03/20
2024/03/21
2024/03/21

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL ± 1.0 °

4 PLACES ±

3 PLACES ±

2 PLACES ± 0.05

1 PLACE ± 0.3

0 PLACES ± 0.5

INITIAL REVISION:
DRWN: SSM
APPR: THAERDT

2021/10/12
2022/06/02

DOCUMENT NUMBER
1203411101

DOC TYPE
PSD

DOC PART
000

REVISION
A4

THIRD ANGLE PROJECTION
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DRAWING
A3-SIZE

SERIES
120341

MATERIAL NUMBER
SEE TABLE 1

CUSTOMER
GENERAL MARKET

SHEET NUMBER
2 OF 2