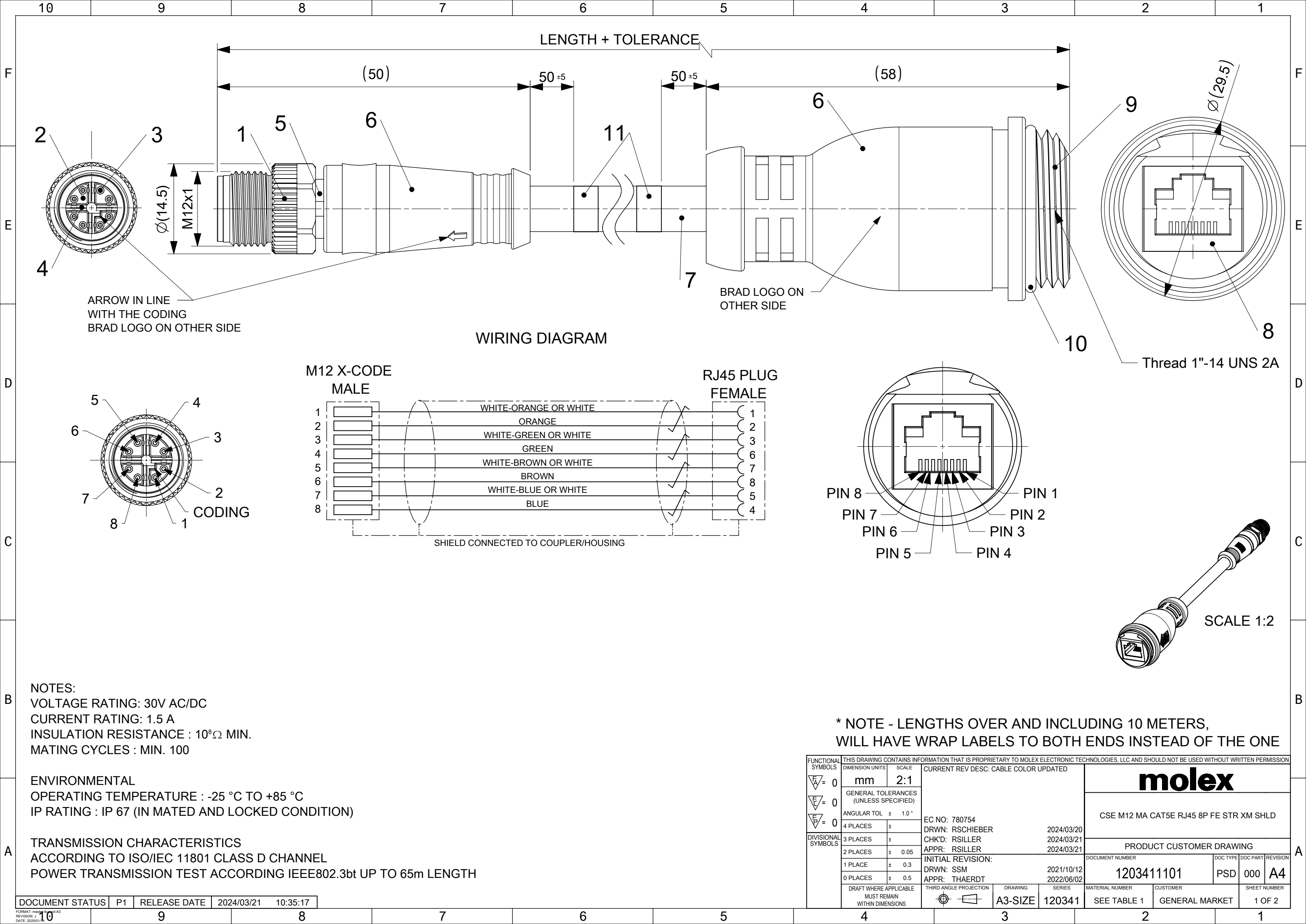




[illegible]

F

E

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C

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A

10987654321

PART No. MATRIX

E

5

2

E

0

3

0

2

1

M

X

X

X

X

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

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	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION
$\sqrt{A} = 0$	DIMENSION UNITS SCALE
$\sqrt{E} = 0$	mm 1:1
$\sqrt{V} = 0$	GENERAL TOLERANCES (UNLESS SPECIFIED)
DIVISIONAL SYMBOLS	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
	THIRD ANGLE PROJECTION DRAWING SERIES
	A3-SIZE 120341

CURRENT REV DESC: CABLE COLOR UPDATED			
CSE M12 MA CAT5E RJ45 8P FE STR XM SHLD			
PRODUCT CUSTOMER DRAWING			
EC NO: 780754 DRWN: RSCHIEBER CHK'D: RSILLER APPR: RSILLER		2024/03/20 2024/03/21 2024/03/21	
INITIAL REVISION: DRWN: SSM APPR: THAERDT		2021/10/12 2022/06/02	
DOCUMENT NUMBER		DOC TYPE	DOC PART REVISION
1203411101		PSD	000 A4
MATERIAL NUMBER		CUSTOMER	SHEET NUMBER
SEE TABLE 1		GENERAL MARKET	2 OF 2

10987654321

FORMAT: moxmat-16-03-A3
REVISION: 1
DATE: 2020/01/11

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F

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10987654321

PART No. MATRIX

E

5

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E

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2

1

M

X

X

X

X

E=ETHERNET/
Ethernet

HEADS:
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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 F/A = 0 F/E = 0 F/V = 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 SCALE mm 1:1
	GENERAL TOLERANCES (UNLESS SPECIFIED) ANGULAR TOL ± 1.0 °
	EC NO: 780754 DRWN: RSCHIEBER CHK'D: RSILLER APPR: RSILLER INITIAL REVISION: DRWN: SSM APPR: THAERDT
	THIRD ANGLE PROJECTION DRAWING SERIES MATERIAL NUMBER CUSTOMER SHEET NUMBER

CURRENT REV DESC: CABLE COLOR UPDATED	molex		
EC NO: 780754 DRWN: RSCHIEBER CHK'D: RSILLER APPR: RSILLER INITIAL REVISION: DRWN: SSM APPR: THAERDT			
PRODUCT CUSTOMER DRAWING			
DOCUMENT NUMBER 1203411101	DOC TYPE PSD	DOC PART 000	REVISION A4
SEE TABLE 1	GENERAL MARKET	2 OF 2	

10987654321

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10987654321

PART No. MATRIX

E

5

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E

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2

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M

X

X

X

X

E=ETHERNET/
Ethernet

HEADS:
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5 = RJ45 FE

WIRING TYPE:
E=8 Pole (STRAIGHT WIRED)

HEADS STYLE:
060 = MALE STR / FE RJ45 STR

CABLE TYPE :
CABLE 21

UNITS:
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T= 10xMETER

LENGTH EXAMPLES:
005=0.5 m
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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
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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

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	DIMENSION UNITS	SCALE	CURRENT REV DESC: CABLE COLOR UPDATED				
A = 0	mm	1:1					
E = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 780754 DRWN: RSCHIEBER 2024/03/20 CHK'D: RSILLER APPR: RSILLER 2024/03/21				
V = 0	ANGULAR TOL ± 1.0 °		INITIAL REVISION: DRWN: SSM APPR: THAERTD 2021/10/12 2022/06/02				
DIVISIONAL SYMBOLS	4 PLACES	±	DOCUMENT NUMBER				
	3 PLACES	±	DOC TYPE DOC PART REVISION				
	2 PLACES	± 0.05	1203411101 PSD 000 A4				
	1 PLACE	± 0.3					
	0 PLACES	± 0.5					
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
			A3-SIZE	120341	SEE TABLE 1	GENERAL MARKET	2 OF 2

FORMAT: moxa-drawings-A3
REVISION: 1
DATE: 2020/01/11

10987654321

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10987654321

PART No. MATRIX

E

5

2

E

0

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2

1

M

X

X

X

X

E=ETHERNET/
Ethernet

HEADS:
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E=8 Pole (STRAIGHT WIRED)

HEADS STYLE:
060 = MALE STR / FE RJ45 STR

CABLE TYPE :
CABLE 21

UNITS:
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T= 10xMETER

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TABLE 1

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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
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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

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: CABLE COLOR UPDATED

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

INITIAL REVISION:
DRWN: SSM
APPR: THAERDT

THIRD ANGLE PROJECTION

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION UNITS

SCALE

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL ± 1.0 °

4 PLACES ±

3 PLACES ±

2 PLACES ± 0.05

1 PLACE ± 0.3

0 PLACES ± 0.5

DRAWING

SERIES

MATERIAL NUMBER

CUSTOMER

SHEET NUMBER

2024/03/20

2024/03/21

2024/03/21

2021/10/12

2022/06/02

A3-SIZE

120341

SEE TABLE 1

GENERAL MARKET

2 OF 2

molex

CSE M12 MA CAT5E RJ45 8P FE STR XM SHLD

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER

DOC TYPE

DOC PART

REVISION

1203411101

PSD

000

A4

10987654321