

10 9 8 7 6 5 4 3 2 1

F

E

D

C

B

A

F

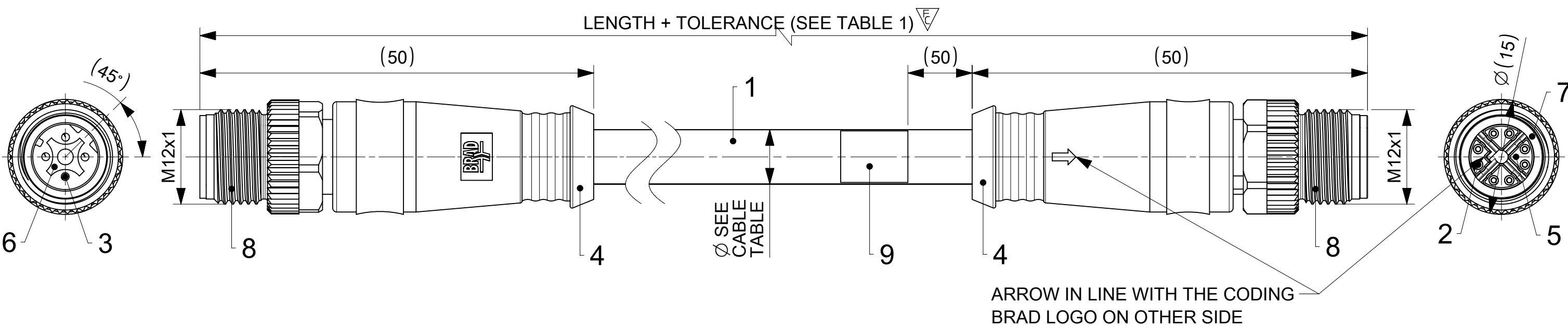
E

D

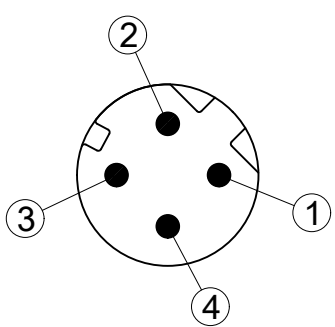
C

B

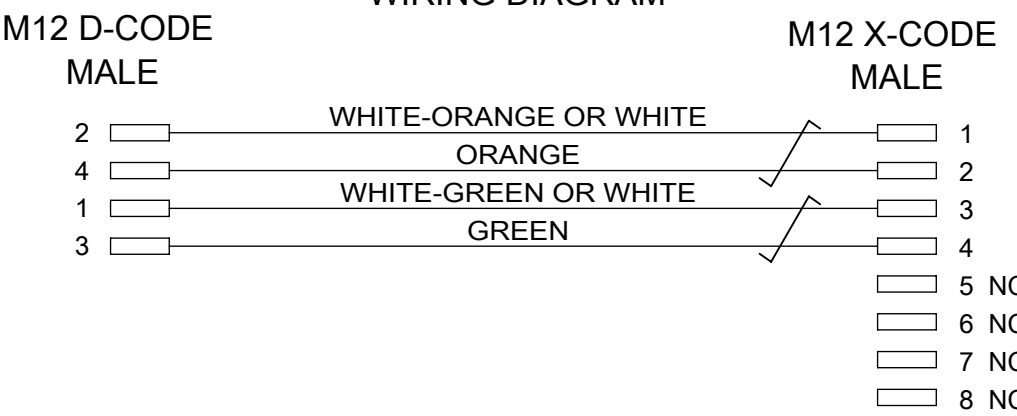
A



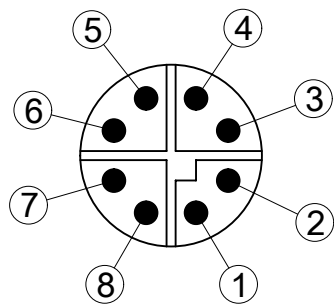
M12 4P DC MALE FRONT VIEW
ACCORDING IEC 61076-2-101



WIRING DIAGRAM



M12 8P XC MALE FRONT VIEW
ACCORDING IEC 61076-2-109



NOTES:

VOLTAGE RATING: 48 V

CURRENT RATING: 0.5 A

TEMPERATURE RATING: -25°C TO +85°C

SEE CABLE TABLE

MATING CYCLES: MIN. 100

IP RATING: IP 67 (IN MATED AND LOCKED CONDITION)

TRANSMISSION CHARACTERISTICS ACCORDING TO ISO/IEC 11801 CLASS D TYPE C / TIA CAT5e CHANNEL

HEAD TO HEAD ROTATION CAN VARY TO DRAWING

PACKAGING: CORDSETS ARE PACKED IN A POLYBAG

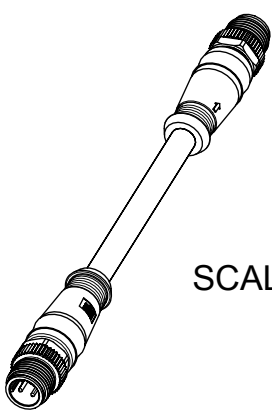
BILL OF MATERIAL

ITEM	QTY	DESCRIPTION	MATERIAL	FINISH/COLOR
1	1	CABLE	PVC / TPE	TEAL
2	8	CONTACT 6 MALE	BRASS	AU OVER Ni
3	4	CONTACT 10 MALE	BRASS	AU OVER Ni
4	-	MOLDING MATERIAL	TPU	BLACK
5	1	INSERT M12 CAT6A MALE 8P	PA6	BLACK
6	1	INSERT M12 MA 4P DC CSE	PUR	BLACK
7	1	SHELL M12 CAT6A	ZINC DIE-CAST	Ni PLATED
8	2	NUT M12 MALE	BRASS	Ni PLATED
9	1	LABEL 2.0X1.75	VINYL	YELLOW

DOCUMENT STATUS	P1	RELEASE DATE	2023/10/25	13:23:04
-----------------	----	--------------	------------	----------

FORMAT: master-b-prod-A3
REVISION: J
DATE: 2020/01/14

9 8 7 6 5 4 3 2 1



SCALE 1:2

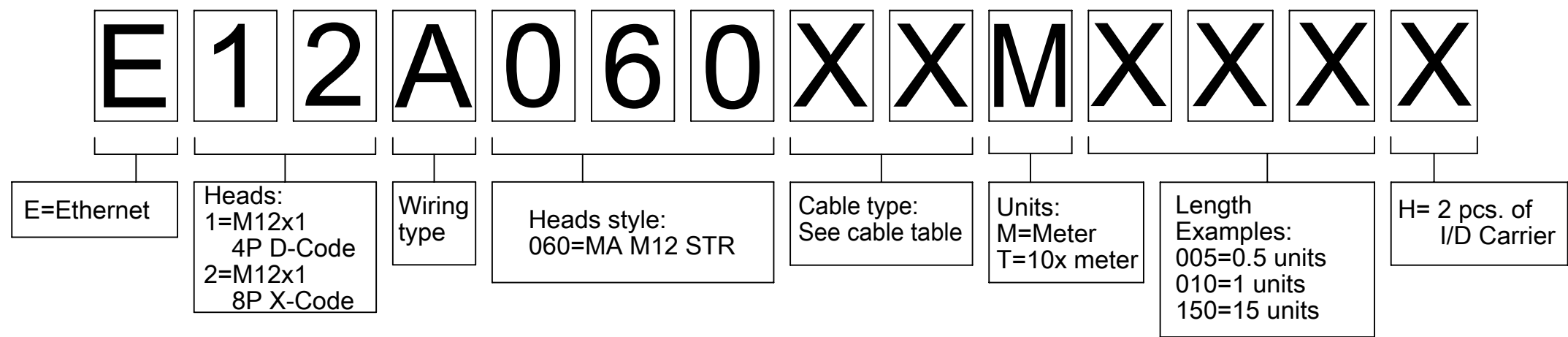
FUNCTIONAL SYMBOLS 0 1 0	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
	FUNCTIONAL SYMBOLS	0
	DIMENSION UNITS	mm
	SCALE	2:1
	GENERAL TOLERANCES (UNLESS SPECIFIED)	
DIVISIONAL SYMBOLS	ANGULAR TOL	± 1.0 °
	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		
MATERIAL NUMBER		
CUSTOMER		
SHEET NUMBER		

CURRENT REV DESC: CHANGE PATCHWORK TO CHANNEL	
EC NO: 766987	
DRWN: MBLOESER	2023/10/25
CHK'D: RSILLER	2023/10/25
APPR: RSILLER	2023/10/25
INITIAL REVISION:	
DRWN: MBLOESER	2022/07/11
APPR: RSILLER	2022/10/17
DOCUMENT NUMBER	
1201089117	
DOC TYPE	DOC PART
PSD	000
REVISION	
A6	
A3-SIZE	
120108	
SEE TABLE 1	
GENERAL MARKET	
1 OF 3	

	10	9	8	7	6	5	4	3	2	1
F	TABLE 1									
	MOLEX PN	ENGINEERING NO.	DESCRIPTION	LENGTH [mm]						
	1203411132	E12A06004M003	M12 4P XC TO DC M ST/M ST TPE 0.3M	300						
	1201089117	E12A06004M010	M12 4P XC TO DC M ST/M ST TPE 1M	1000						
	1201089118	E12A06004M020	M12 4P XC TO DC M ST/M ST TPE 2M	2000						
E	1201089119	E12A06004M030	M12 4P XC TO DC M ST/M ST TPE 3M	3000						
	1201089120	E12A06004M040	M12 4P XC TO DC M ST/M ST TPE 4M	4000						
	1201089121	E12A06004M050	M12 4P XC TO DC M ST/M ST TPE 5M	5000						
	1201089122	E12A06004M060	M12 4P XC TO DC M ST/M ST TPE 6M	6000						
	1201089123	E12A06004M070	M12 4P XC TO DC M ST/M ST TPE 7M	7000						
D	1201089124	E12A06004M080	M12 4P XC TO DC M ST/M ST TPE 8M	8000						
	1201089125	E12A06004M100	M12 4P XC TO DC M ST/M ST TPE 10M	10000						
	1201089126	E12A06004M120	M12 4P XC TO DC M ST/M ST TPE 12M	12000						
	1201089127	E12A06004M140	M12 4P XC TO DC M ST/M ST TPE 14M	14000						
	1201089128	E12A06004M150	M12 4P XC TO DC M ST/M ST TPE 15M	15000						
C	1201089129	E12A06004M180	M12 4P XC TO DC M ST/M ST TPE 18M	18000						
	1201089130	E12A06004M230	M12 4P XC TO DC M ST/M ST TPE 23M	23000						
	1201089131	E12A06004M270	M12 4P XC TO DC M ST/M ST TPE 27M	27000						
	1201089132	E12A06004M300	M12 4P XC TO DC M ST/M ST TPE 30M	30000						
	1201089133	E12A06004M340	M12 4P XC TO DC M ST/M ST TPE 34M	34000						
B	1201089134	E12A06004M380	M12 4P XC TO DC M ST/M ST TPE 38M	38000						
	1201089135	E12A06004M420	M12 4P XC TO DC M ST/M ST TPE 42M	42000						
	1201089136	E12A06004M460	M12 4P XC TO DC M ST/M ST TPE 46M	46000						
	1201089137	E12A06004M500	M12 4P XC TO DC M ST/M ST TPE 50M	50000						
	1201089138	E12A06004M540	M12 4P XC TO DC M ST/M ST TPE 54M	54000						
A	1201089139	E12A06004M570	M12 4P XC TO DC M ST/M ST TPE 57M	57000						
	1201089140	E12A06004M610	M12 4P XC TO DC M ST/M ST TPE 61M	61000						
	1201089141	E12A06004M650	M12 4P XC TO DC M ST/M ST TPE 65M	65000						
	1201089142	E12A06004M700	M12 4P XC TO DC M ST/M ST TPE 70M	70000						
	1201089143	E12A06004M760	M12 4P XC TO DC M ST/M ST TPE 76M	76000						
	1201089144	E12A06004M800	M12 4P XC TO DC M ST/M ST TPE 80M	80000						
	1201089145	E12A06004M850	M12 4P XC TO DC M ST/M ST TPE 85M	85000						
	1201089160	E12A06004M900	M12 4P XC TO DC M ST/M ST TPE 90M	90000						
	1201089146	E12A06002M900	M12 4P XC TO DC M ST/M ST PVC 90M	90000						
</										

NUMERICAL CODE (Available parts see PART LIST table. Other parts available upon request).

OPTIONS



CABLE INFORMATION

CABLE TYPE	CABLE O.D.	APPLICATION	CROSS SECTION	CABLE JACKET	UL	TEMP. RANGE STATIC BENDING RADIUS STATIC	TEMP. RANGE DYNAMIC BENDING RADIUS DYNAMIC	CYCLES	ADITIONAL INFORMATION
02	Ø6.35mm	ETHERNET	24AWG	PVC TEAL	TYPE CMR	-40°C to +75°C / min.5xO.D.	-25°C to +70°C / min.7.5xO.D.	Not for drag chain application	-
04	Ø6.10mm	ETHERNET	24AWG	TPE TEAL	TYPE CMX	-40°C to +75°C / min.5xO.D.	-25°C to +70°C / min.7.5xO.D.	about 1 to 10 Mio.	-

FUNCTIONAL SYMBOLS

FA

=

0

FE

=

0

FE

=

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: CHANGE PATCHWORK TO CHANNEL

EC NO: 766987

DRWN: MBLOESER

CHK'D: RSILLER

APPR: RSILLER

2023/10/25

2023/10/25

2023/10/25

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: MBLOESER

APPR: RSILLER

2022/07/11

2022/10/17

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

THIRD ANGLE PROJECTION

DRAWING

SERIES

A3-SIZE

120108

DOCUMENT NUMBER

1201089117

DOC TYPE

PSD

DOC PART

000

REVISION

A6

M12 4P XC TO DC M ST/M ST TPE XM

PRODUCT CUSTOMER DRAWING

MATERIAL NUMBER

CUSTOMER

SHEET NUMBER

GENERAL MARKET

3 OF 3

DOCUMENT STATUS

P1

RELEASE DATE

2023/10/25

13:23:04

FORMAT: master-b-prod-A3

REVISION: J1

DATE: 2021/05/01