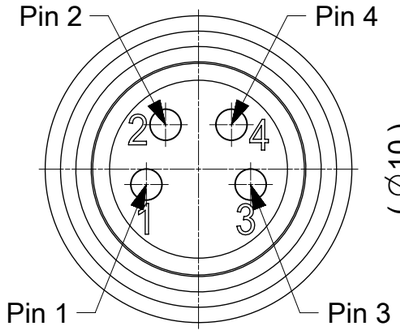
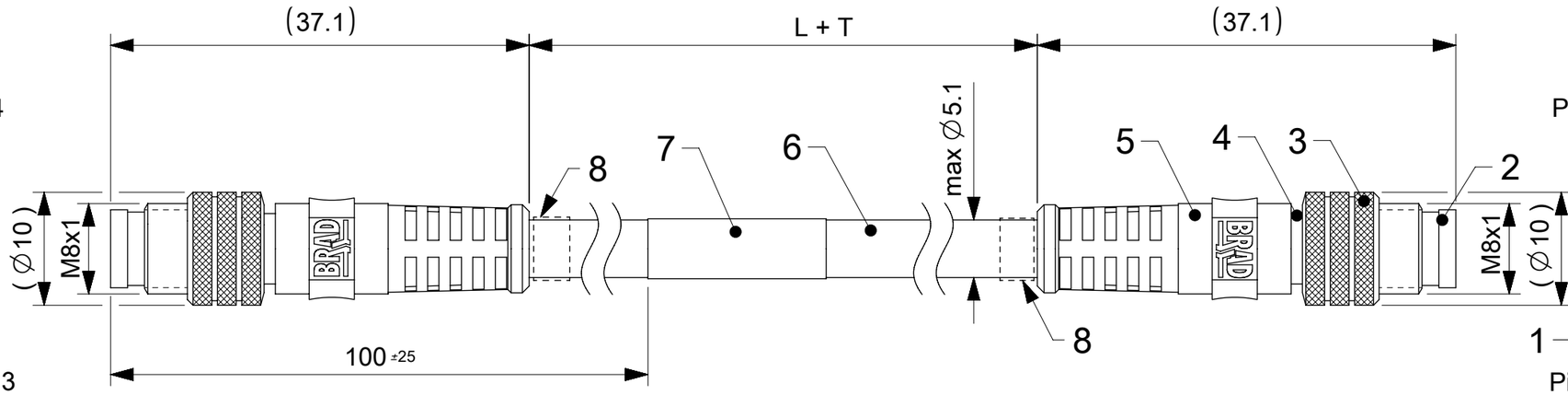
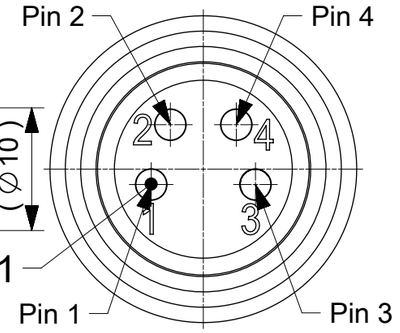
MALE CONNECTOR
PIN ASSIGNMENT
FRONT VIEW



SCALE 5:1

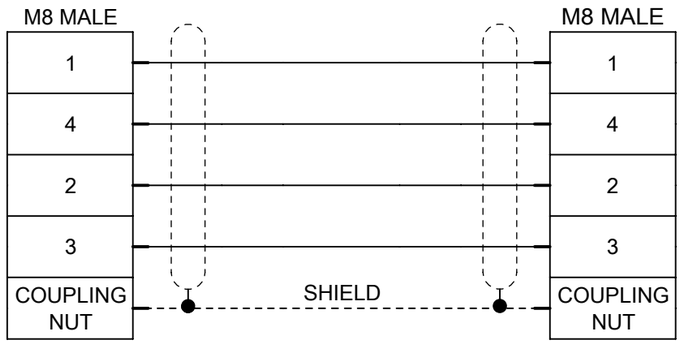


MALE CONNECTOR
PIN ASSIGNMENT
FRONT VIEW



SCALE 5:1

WIRING DIAGRAM



TWISTING:
4 CORES ARE TWISTED TO A STARQUAD:
PAIR 1: PIN 1/PIN 4
PAIR 2: PIN 2/PIN 3

NOTES

1. RATED VOLTAGE: 30 V AC/DC
2. RATED CURRENT: 3 A
3. OPERATION TEMPERATURE: -20°C TO +80°C
4. INTERNATIONAL PROTECTION MARKING: IP67
5. CATEGORY: BASED ON CAT5
6. PACKAGING: 24 PIECES PER CARTON, WITHOUT PLASTIC BAG.

BOM

FOR OPTIONS SEE - NUMERICAL CODE - ON SHEET 2

ITEM	QTY	DESCRIPTION	MATERIAL	FINISH
8	SEE MATRIX	I/D CARRIER	PVC	TRANSPARENT
7	1	LABEL	VINYL	-
6	L + T	CABLE 1x4xAWG26 GREEN	PUR	-
5	2	OVERMOULD BLACK	TPU	-
4	2	SLEEVE SHLD	BRASS	Ni
3	2	COUPLING NUT M8 MALE	BRASS	Ni
2	2	INSERT M8 MALE 4P BLACK	PA	-
1	8	CONTACT M8 MALE	BRASS	Selective Au over Ni

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
FP = 0

DIVISIONAL SYMBOLS

DIMENSION UNITS	SCALE
mm	2:1

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: NEW PN ADDED

EC NO: 851870
DRWN: APAWLAK01 2026/03/30
CHK'D: CARLOG18 2026/03/31
APPR: HKNEELAND 2026/04/02

INITIAL REVISION:
DRWN: THAERDT 2015/05/20
APPR: RSILLER 2015/05/28

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 120359

molex

CSE M8 M8 4P AC MA STR PUR MA STR XM

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
1203591000	PSD	000	A5

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE SHEET 2	GENERAL MARKET	1 OF 2

DOCUMENT STATUS	P1	RELEASE DATE	2026/04/02 00:58:52

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

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

OPTIONS

E	4	4	A	0	6	0	X	X	M	X	X	X	X

- E=Ethernet/ EtherCat
- Heads: 4=M8 A-Coding 4=M8 A-Coding
- Wiring type: A=4 Pole (Straight Wired)
- Heads style: 060=Male STR / Male STR
- Cable type: See cable table
- Units: M=Meter T=10x meter
- Length Examples: 005=0.5 units 010=1 units 150=15 units
- H= 2 pcs. of I/D Carrier

CABLE INFORMATION (for more information see Cable Data Sheet).

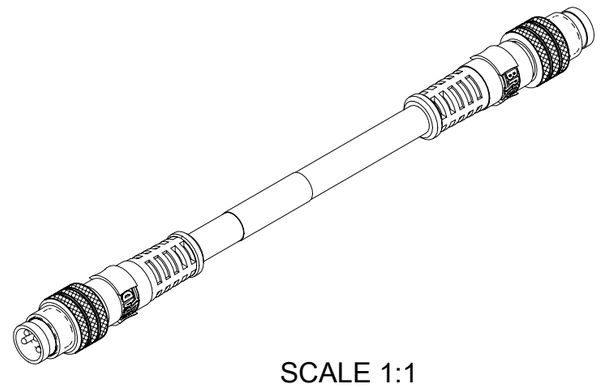
CABLE TYPE	NO. OF WIRES	CROSS SECTION	CABLE JACKET	UL/CSA	STATIC: TEMP. / BENDING RADIUS	DYNAMIC: TEMP. / BENDING RADIUS	SHIELD
20	4	AWG26 (0.15mm²)	PUR GREEN	80°C, 30V	-20°C to +80°C, 7.5xO.D.	-20°C to +50°C, 12xO.D.	YES

PART LIST

No.	Molex P/N	Engineering no.	Cable Length "L"
1	1203591000	E44A06020M006	600
2	1203591001	E44A06020M010	1000
3	1203591002	E44A06020M020	2000
4	1203591003	E44A06020M030	3000
5	1203591004	E44A06020M050	5000
6	1203591005	E44A06020M075	7500
7	1203591006	E44A06020M100	10000
8	1203591007	E44A06020M120	12000
9	1203591008	E44A06020M150	15000
10	1203591009	E44A06020M200	20000
11	1203595010	E44A06020M003H	300
12	1203595011	E44A06020M005H	500
13	1203595012	E44A06020M050H	5000
14	1203595013	E44A06020M070H	7000
15	1203595014	E44A06020M090H	9000
16	1203595015	E44A06020M030H	3000
17	1203595046	E44A06020M120H	12000
18	1203595047	E44A06020M150H	15000

CABLE LENGTH TOLERANCES "T"		
LENGTH	TOLERANCE	
shorter than 1m	+40 mm	-0 mm
1m-5m	+60 mm	-0 mm
5m-10m	+80 mm	-0 mm
10m-20m	+140 mm	-0 mm
20m-30m	+160 mm	-0 mm
longer than 30m	+1%	-0 mm

A5



SCALE 1:1

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DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

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DRWN: THAERDT 2015/05/20
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THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 120359

molex

CSE M8 M8 4P AC MA STR PUR MA STR XM

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
1203591000	PSD	000	A5

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE PART LIST	GENERAL MARKET	2 OF 2

DOCUMENT STATUS	P1	RELEASE DATE	2026/04/02 00:58:52

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