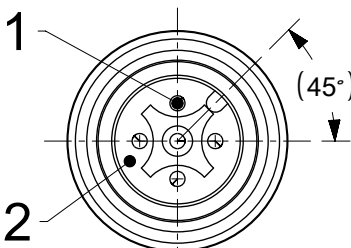


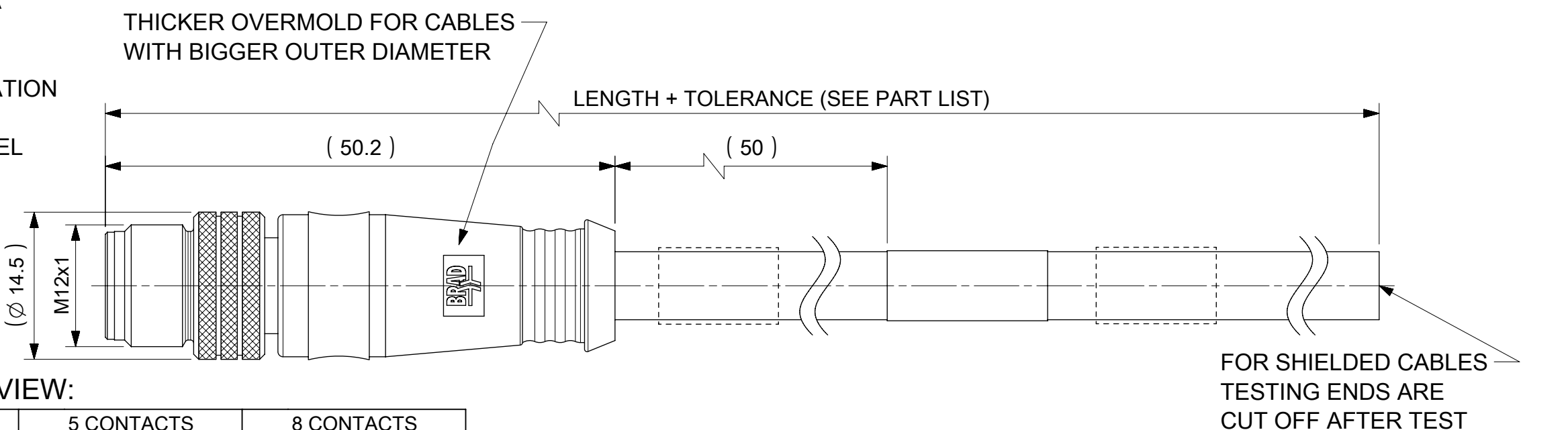
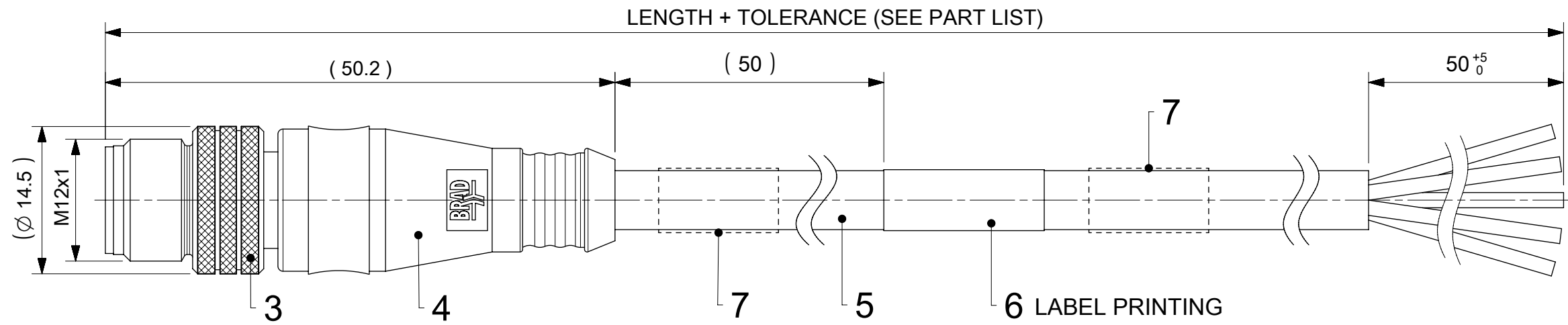
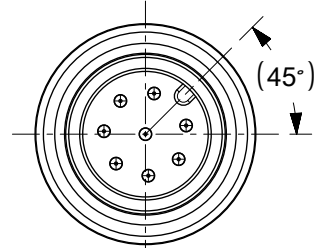
MALE PLUG M12 STRAIGHT



NOTES:

RATED VOLTAGE: 3, 4 contacts 250V
5 contacts 60V
8 contacts 30V
RATED CURRENT: 3, 4, 5 contacts 4A
8 contacts 2A

PROTECTION CLASS: IP 67
TEMPERATURE : SEE CABLE INFORMATION
ON SHEET 2
LABEL PRINTING ACC. STANDARD LABEL
INSTRUCTION (SEE SHEET 3)



CONTACTS POSITION FRONT VIEW:

3 CONTACTS		4 CONTACTS		5 CONTACTS		8 CONTACTS	
PIN	WIRE	PIN	WIRE	PIN	WIRE	PIN	WIRE
1	BROWN	1	BROWN	1	BROWN	1	WHITE
2	---	2	WHITE	2	WHITE	2	BROWN
3	BLUE	3	BLUE	3	BLUE	3	GREEN
4	BLACK	4	BLACK	4	BLACK	4	YELLOW
5	---	5	---	5	GREY OR GREEN/YELLOW	5	GREY
						6	PINK
						7	BLUE
						8	RED

CODING REQUIRED TO IEC 61076-2-101

FOR OPTIONS SEE - NUMERICAL CODE - ON SHEET 2

7	SEE MATRIX	D CARRIER	PVC	TRANSPARENT
6	1	LABEL YELLOW	VINYL	---
5	-	CABLE	SEE SHEET 2	---
4	-	OVERMOLDING BLACK	TPU	---
3	1	COUPLING NUT MALE	BRASS	NICKEL
2	1	INSERT MALE BLACK	PUR	---
1	3 / 4 / 5 / 8	CONTACT M12 MALE	BRASS	SELECTIVE Au OVER Ni
ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH

FUNCTIONAL SYMBOLS

$\nabla A = 0$

$\nabla E = 0$

$\nabla F = 0$

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

2:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL

$\pm 1.0^\circ$

4 PLACES

$\pm$

3 PLACES

$\pm$

2 PLACES

± 0.05

1 PLACE

± 0.3

0 PLACES

± 0.5

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: PN AND CABLE TAKEN FROM DRAWING 1200650971, LAYOUT REVISED

EC NO: 822575

DRWN: RSCHIEBER

CHK'D: RSILLER

APPR: RSILLER

2025/04/08

2025/05/20

2025/05/20

INITIAL REVISION:

DRWN: JMARSZALEK

APPR: RSILLER

2016/01/12

2016/04/08

THIRD ANGLE PROJECTION

DRAWING

SERIES

MATERIAL NUMBER

CUSTOMER

SHEET NUMBER

molex

CSE M12 XP AC MA STR XM SE

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER

1200659185

DOC TYPE

PSD

DOC PART

000

REVISION

A13

SEE PART LIST

GENERAL MARKET

1 OF 5

PART LIST

MOLEX P/N	ENGINEERING No.	L [mm]
3P CABLE E52		
1200060243	803006E52M050A	5000
4P CABLE E52		
1200651788	804006E52M005A	500
1200651790	804006E52M050A	5000
1200061663	804006E52M100A	10000
1200061664	804006E52M200A	20000
8P CABLE E52		
1200657336	808006E52M005	500
3P CABLE I03		
1200060252	803006I03M020	2000
1200060253	803006I03M030	3000
1200658595	803006I03M040	4000
1200060254	803006I03M050	5000
4P CABLE I03		
1200658325	804006I03M010	1000
1200060565	804006I03M020	2000
1200658601	804006I03M040	4000
1200060567	804006I03M050	5000
1200659122	804006I03M050Y	5000
1200060568	804006I03M100	10000
5P CABLE I03		
1200064444	805006I03C150	150
1200060674	805006I03M005	500
1200060675	805006I03M020	2000
4P CABLE I20		
1200061023	804006I20M003	300
5P CABLE I26		
1200061781	805006I26M050	5000
4P CABLE K03		
1200652024	804006K03M006	600
1200651357	804006K03M010	1000
1200651359	804006K03M020	2000
1200652025	804006K03M036	3600
1200651361	804006K03M050	5000
1200064547	804006K03M100	10000
5P CABLE K03		
1200651374	805006K03M020	2000
1200652151	805006K03M050	5000

MOLEX P/N	ENGINEERING No.	L [mm]
4P CABLE P04		
1200658809	804006P04M003	300
3P CABLE P12		
1200063355	803006P12M0023	200
5P CABLE P12		
1200062618	805006P12M0035	300
1200658094	805006P12M006	600
1200062540	805006P12M010	1000
1200062541	805006P12M015	1500
1200062441	805006P12M020	2000
1200062770	805006P12M030	3000
1200063371	805006P12M050	5000
4P CABLE P20		
1200658497	804006P20M150	15000
5P CABLE P20		
1200063282	805006P20M010	1000
3P CABLE P82		
1200064014	803006P82M0067	600
1200064375	803006P82M0107	1000
8P CABLE S19		
1200650971	808006S19M010	1000
1200699506	808006S19M020	2000
1200699507	808006S19M030	3000
1200699508	808006S19M050	5000
1200699509	808006S19M100	10000
3P CABLE S20		
1200061551	803006S20M050	5000
1200062606	803006S20M100	10000
4P CABLE S20		
1200060578	804006S20M010	1000
1200659364	804006S20M010H	1000
1200060579	804006S20M020	2000
1200658961	804006S20M0201	2000
1200658201	804006S20M050	5000
1200658965	804006S20M0501	5000
1200060581	804006S20M100	10000
1200658962	804006S20M1001	10000
1200659347	804006S20M350	35000

MOLEX P/N	ENGINEERING No.	L [mm]
5P CABLE S20		
1200658973	805006S20M050	5000
5P CABLE S26		
1200060684	805006S26M020	2000
1200658170	805006S26M050	5000
1200659174	805006S26M050H	5000
3P CABLE A09		
1200650200	803006A09M020	2000
1200650843	803006A09M0208	2000
1200650205	803006A09M0508	5000
1200650207	803006A09M100	10000
1200650844	803006A09M1008	10000
4P CABLE A09		
1200650411	804006A09M010	1000
1200650913	804006A09M0208	2000
1200650914	804006A09M0308	3000
1200072456	804006A09M0401	4000
1200650419	804006A09M050	5000
1200650915	804006A09M0508	5000
1200650917	804006A09M1008	10000
1200656063	804006A09M1508	15000
1200659605	804006A09M2008	20000
3P CABLE E03		
1200064353	803006E03M003	300
1200658526	803006E03M005	500
1200658565	803006E03M010	1000
1200659104	803006E03M010Y	1000
1200060240	803006E03M020	2000
1200062017	803006E03M030	3000
1200658566	803006E03M040	4000
1200060241	803006E03M050	5000
1200062351	803006E03M0505	5000
1200658881	803006E03M050G	5000
1200656293	803006E03M080	8000
1200060242	803006E03M100	10000
1200062352	803006E03M1005	10000
1200656294	803006E03M120	12000
1200061611	803006E03M150	15000

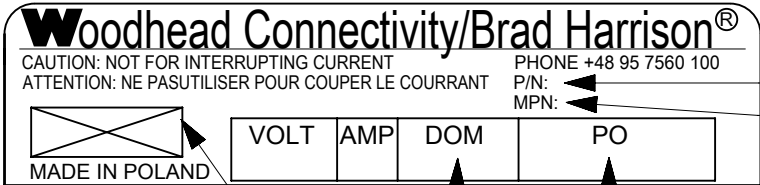
MOLEX P/N	ENGINEERING No.	L [mm]
4P CABLE E03		
1200064251	804006E03M003	300
1200064252	804006E03M005	500
1200658265	804006E03C550	550
1200060558	804006E03M006	600
1200060559	804006E03M010	1000
1200658784	804006E03M0101H	1000
1200063470	804006E03M010H	1000
1200657159	804006E03M015	1500
1200060560	804006E03M020	2000
1200062122	804006E03M0201	2000
1200658518	804006E03M0201H	2000
1200062830	804006E03M0205	2000
1200658888	804006E03M020H	2000
1200659080	804006E03M020Y	2000
1200060561	804006E03M030	3000
1200658571	804006E03M040	4000
1200060562	804006E03M050	5000
1200063732	804006E03M0501	5000
1200658519	804006E03M0501H	5000
1200062877	804006E03M0505	5000
1200658893	804006E03M050H	5000
1200659186	804006E03M060	6000
1200658542	804006E03M070	7000
1200656295	804006E03M080	8000
1200060563	804006E03M100	10000
1200063733	804006E03M1001	10000
1200658785	804006E03M1001H	10000
1200062920	804006E03M1005	10000
1200060046	804006E03M120	12000
1200659550	804006E03M120H	12000
1200658876	804006E03M150	15000
1200063856	804006E03M1501	15000
1200062426	804006E03M200	20000
1200063969	804006E03M2001	20000
1200659194	804006E03M250	25000
1200064231	804006E03M2501	25000
1200659195	804006E03M300	30000
1200659196	804006E03M350	35000

NOTES:

✱ - Part No. with Yellow PVC overmolding

✱✱ - Part No. with Black PVC overmolding

LABEL PRINTING



ENGINEERING NO.
MOLEX PN

PO NO.
PRODUCT. DATE

CERTIFICATION SYMBOLS

FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
	DIMENSION UNITS	SCALE
√A = 0	mm	1:1
√E = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)	
√E = 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
		CUSTOMER
		SHEET NUMBER

CURRENT REV DESC: PN AND CABLE TAKEN FROM DRAWING 1200650971, LAYOUT REVISED

EC NO: 822575
DRWN: RSCHIEBER
CHK'D: RSILLER
APPR: RSILLER

2025/04/08
2025/05/20
2025/05/20

INITIAL REVISION:
DRWN: JMARSZALEK
APPR: RSILLER

2016/01/12
2016/04/08

DOCUMENT NUMBER

1200659185

DOC TYPE

PSD

DOC PART

000

REVISION

A13

SEE PART LIST

GENERAL MARKET

3 OF 5

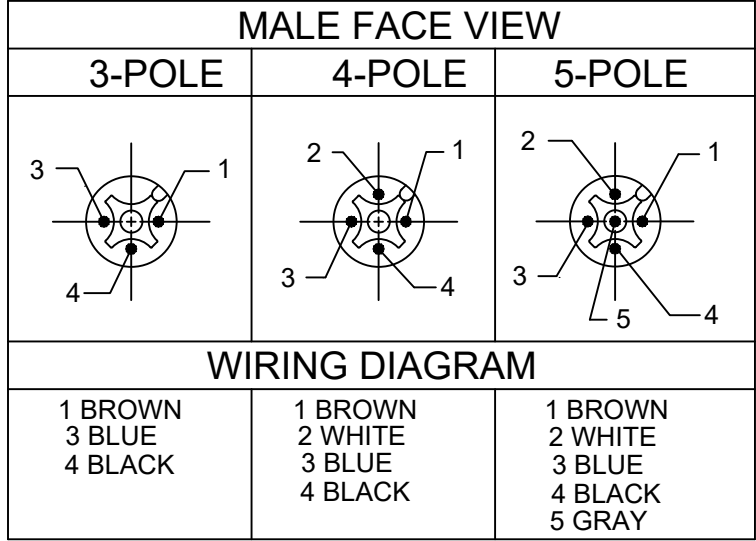
DOCUMENT STATUS

P1

RELEASE DATE

2025/05/20

07:26:55



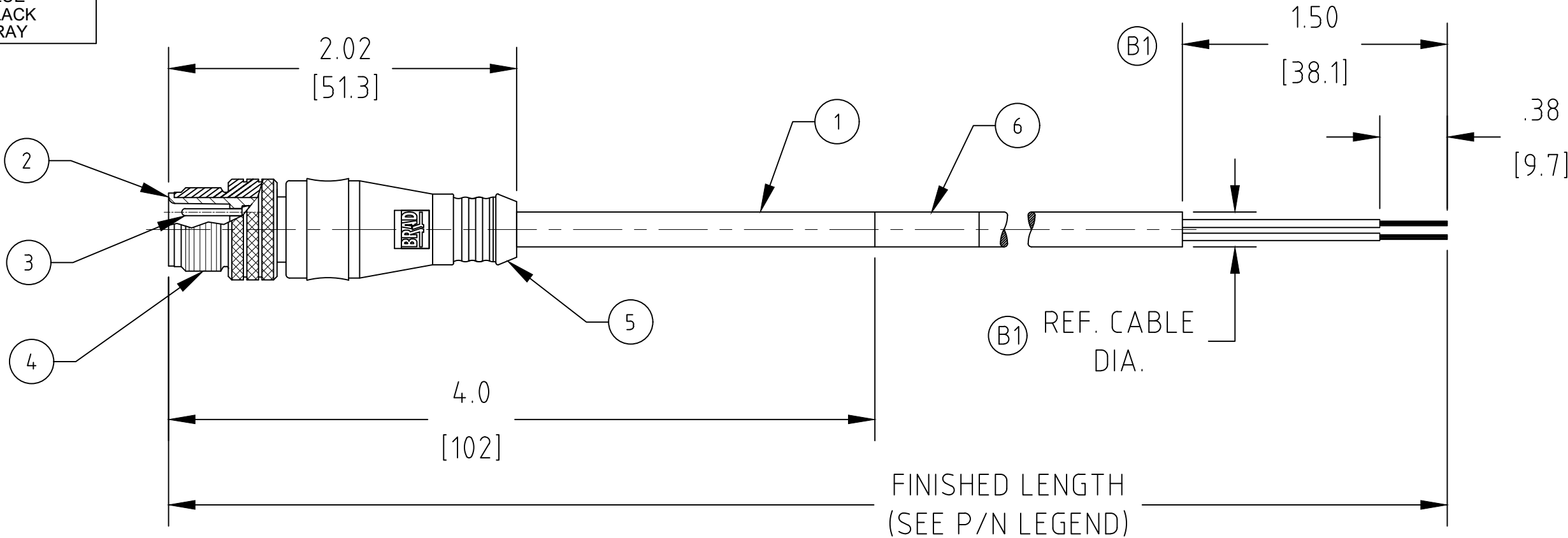
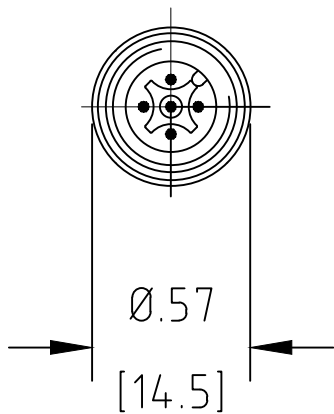
PART NUMBER	ENG. PART NO.	FINISHED LENGTH	POLES	CABLE DIA.
1200650200	803006A09M020	6 FT 7 IN [2.0M]	3	.19
1200650418	804006A09M040	13 FT 1 IN [4.0M]	4	.20
1200650522	805006A09M010	3 FT 3 IN [1.0M]	5	.22
1200650533	805006A09M100	32 FT 10 IN [10.0M]	5	.22
1200659220	805006A09M300	98 FT 5 IN [30.0M]	5	.22

PART NO. LEGEND
803006A09M020

POLES
3,4,& 5

cable length
M005 = 0.5 Meters
M020= 2 Meters
M100= 10 Meters

CABLE LENGTH TOLERANCES
<.3M [1FT]: +19mm-0 [+.75in-0]
.3 - .9M [1 - 3FT]: +44.5mm-0 [+1.75in-0]
.9 - 1.8M [3 - 6FT]: +55.6mm-0 [+2.19in-0]
1.8 - 3.7M [6 - 12FT]: +88.9mm-0 [+3.50in-0]
3.7 - 7.3M [12 - 24FT]: +165.1mm-0 [+6.50in-0]
7.3-14.6M [24 - 48FT]: +317.5mm-0 [+12.50in-0]
14.6 - 30.5M [48-100FT]: +622.3mm-0 [+24.50in-0]
OVER 30M [100FT] +2% OF FINISHED LENGTH



- NOTES:
- 1. MATERIAL: AS NOTED
 - 2. FINISH: AS NOTED
 - 3. ELECTRICAL:
VOLTAGE: 250V
CURRENT: 4A
 - 4. TEMP RATING: -25°C TO +105°C
 - 5. PROTECTION: IP67 (WHEN MATED)
 - 6. COUPLING THREAD: M12 X 1.0
 - 7. UL RECOGNIZED FILE: E152210
CSA CERTIFIED FILE: LR 6837
 - 8. ALL DIMS ARE FOR REFERENCE UNLESS TOLERANCED OR NOTED OTHERWISE

6	WRAP LABEL	VINYL	BLACK/YELLOW
5	OVERMOLD	PUR	YELLOW
4	COUPLING NUT	BRASS	NICKEL PLATED
3	CONTACT PIN	COPPER ALLOY	GOLD PLATED
2	INSERT, MALE, 5P	PUR	BLACK
1	CABLE, 22AWG	PVC JACKET	YELLOW
ITEM	DESCRIPTION	MATERIAL	FINISH

FUNCTIONAL SYMBOLS F_A =0 F_C =0 F_P =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		CURRENT REV DESC: CHANGE CABLE STRIP TO 1.50 IN PER MFG DOC., ADD CABLE DIA.			molex MICRO-CHANGE ASSEMBLY 3-5 POLE MA STR 22/AWG YELLOW PVC CABLE					
	INCH/MM		1:1										
	GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 698871 DRWN: RSTONE 2022/03/08 CHK'D: ALEON01 2022/03/14 APPR: BWOODMAN 2022/03/15								
	mm		INCH										
	4 PLACES		±---- ±----										
	3 PLACES		±---- ±----										
	2 PLACES		±---- ±----										
	1 PLACE		±---- ±----		INITIAL REVISION:			PRODUCT CUSTOMER DRAWING					
	0 PLACES		±---- ±----										
	ANGULAR TOL ± ---- °												
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
				B-SIZE		120065		SEE P/N LEGEND		GENERAL MARKET		1 OF 1	