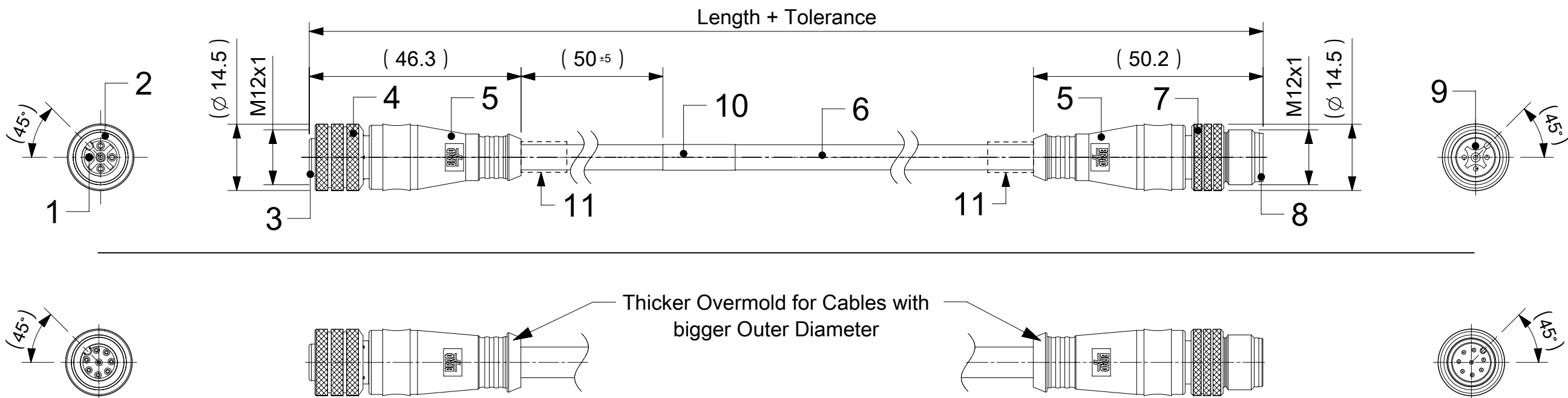


FEMALE PLUG M12 STRAIGHT TO MALE PLUG M12 STRAIGHT



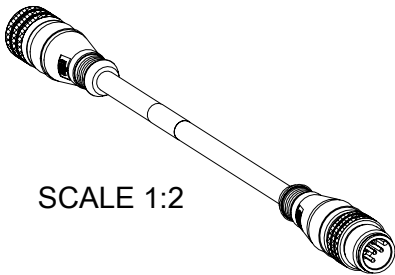
NOTES:

RATED VOLTAGE: 3, 4 contacts 250V per IEC 60664
5 contacts 60V per IEC 60664
5 contacts 250V per UL 2238
8 contacts 30V per IEC 60664

RATED CURRENT: 3, 4, 5 contacts 4A
8 contacts 2A

PROTECTION CLASS: IP 67
TEMPERATURE: -25°C / +85°C
CONTACTS POSITION FRONT VIEW:

	3 CONTACTS		4 CONTACTS		5 CONTACTS		8 CONTACTS	
FEMALE								
MALE								
CONNECTIONS	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
CODING REQUIRED TO IEC 61076-2-101								
							8	RED



SCALE 1:2

FOR OPTIONS SEE - NUMERICAL CODE - ON SHEET 2

11	SEE SHEET 2	ID CARRIER	PVC	TRANSPARENT
10	1	LABEL YELLOW	VINYL	---
	-	PRINTING FOR CABLES lxx	---	---
9	3 / 4 / 5 / 8	CONTACT MALE	SEE PART LIST	SELECTIVE Au OVER Ni
8	1	INSERT MALE BLACK	TPU	---
7	1	COUPLING NUT MALE	---	---
6	-	CABLE	SEE SHEET 2	---
5	-	OVERMOULDING BLACK	TPU	---
4	1	COUPLING NUT FEMALE	---	---
3	1	INSERT FEMALE BLACK	PUR	---
2	1	ORING RED	FPM	---
1	3 / 4 / 5 / 8	CONTACT FEMALE	SEE PART LIST	SELECTIVE Au OVER Ni
ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											
FUNCTIONAL SYMBOLS		DIMENSION UNITS		SCALE		CURRENT REV DESC: PART LIST REVISED					
		mm		1:1							
FA=0 FE=0 FD=0		GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 784475 DRWN: RSCHIEBER2024/04/16 CHK'D: RSILLER2024/04/26 APPR: RSILLER2024/04/26					
		ANGULAR TOL ± 1.0 °									
		4 PLACES		±						INITIAL REVISION: DRWN: JMARSZALEK2016/09/19 APPR: RSILLER2016/12/08	
		3 PLACES		±							
2 PLACES		± 0.05									
DIVISIONAL SYMBOLS		1 PLACE		± 0.3		DOCUMENT NUMBER 1200668165					
		0 PLACES		± 0.5						DOC TYPE PSD	
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION 		DOC PART 000		REVISION A7	
								DRAWING A3-SIZE		SHEET NUMBER 1 OF 5	
						SERIES 120066		MATERIAL NUMBER SEE PART LIST		CUSTOMER GENERAL MARKET	
molex CSE M12 XP AC FE STR MA STR XM DE PRODUCT CUSTOMER DRAWING											

ENGINEERING NO. - NUMERICAL CODE (Available parts see PART LIST table. Other parts available upon request).

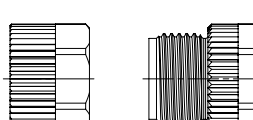
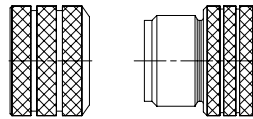
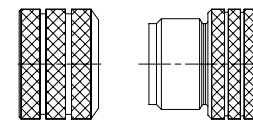
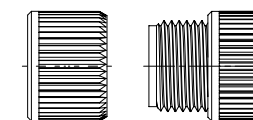
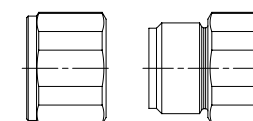
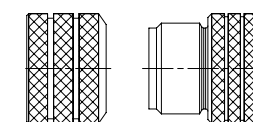
OPTIONS

Overmold color:
Blank (Standard)=Black TPU
Blank=Yellow PVC for cables
A09, S19, S20, S26
Blank=Yellow TPE-E for cables
K03, K05
A=Grey / G=Black / Y=Yellow

Coupling Nut:
Blank (Standard)=Knurled Brass Ni Plated
1=Hexagonal Stainless steel
5=Knurled Derlin
7=Knurled Brass Ni Plated, Teflon Coated
Blank=7 for cables I20, I26, K03, K05, P82, S26
8=Type 316 stainless steel
9=Knurled / Hexagonal Brass Ni Plated SW13

H= 2 pcs. of I/D Carrier PVC Transparent
(Cables lxx & P82 always with 2 pcs. of —
I/D Carrier even if no H in Engineering No.)

COUPLING NUT
FEMALE MALE



CABLE LENGTH TOLERANCES		
OVER [mm]	UP TO AND INCLUDING [mm]	TOLERANCES [mm]
0	305	+19
305	915	+45
915	1830	+56
1830	3660	+89
3660	7320	+165
7320	14640	+317
14640	30500	+610
30500	>	+2% OF FINISHED LENGTH

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		CURRENT REV DESC: PART LIST REVISED					molex								
FA = 0	mm		1:1															
FC = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)																	
FE = 0	ANGULAR TOL ± 1.0 °																	
DIVISIONAL SYMBOLS	4 PLACES		±		EC NO: 784475													
	3 PLACES		±		DRWN: RSCHIEBER 2024/04/16													
	2 PLACES		± 0.05		CHK'D: RSILLER 2024/04/26													
	1 PLACE		± 0.3		APPR: RSILLER 2024/04/26													
	0 PLACES		± 0.5		INITIAL REVISION:													
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS					DRWN: JMARSZALEK 2016/09/19					DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION		
					APPR: RSILLER 2016/12/08					1200668165		PSD		000		A7		
					THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER			
							A3-SIZE		120066		SEE PART LIST		GENERAL MARKET		2 OF 5			

DOCUMENT STATUS	P1	RELEASE DATE	2024/04/26	08:14:50
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A

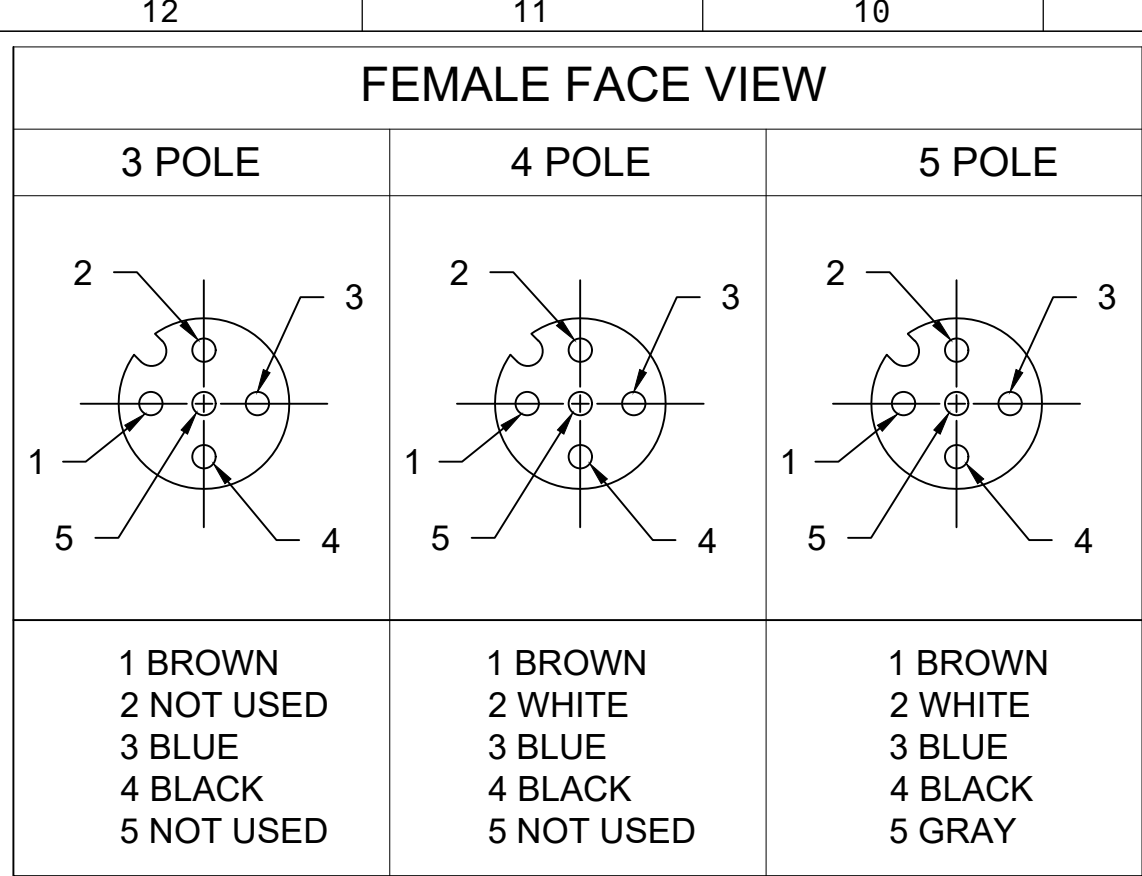
DOCUMENT STATUS	P1	RELEASE DATE	2024/04/26	08:14:50
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	7	6
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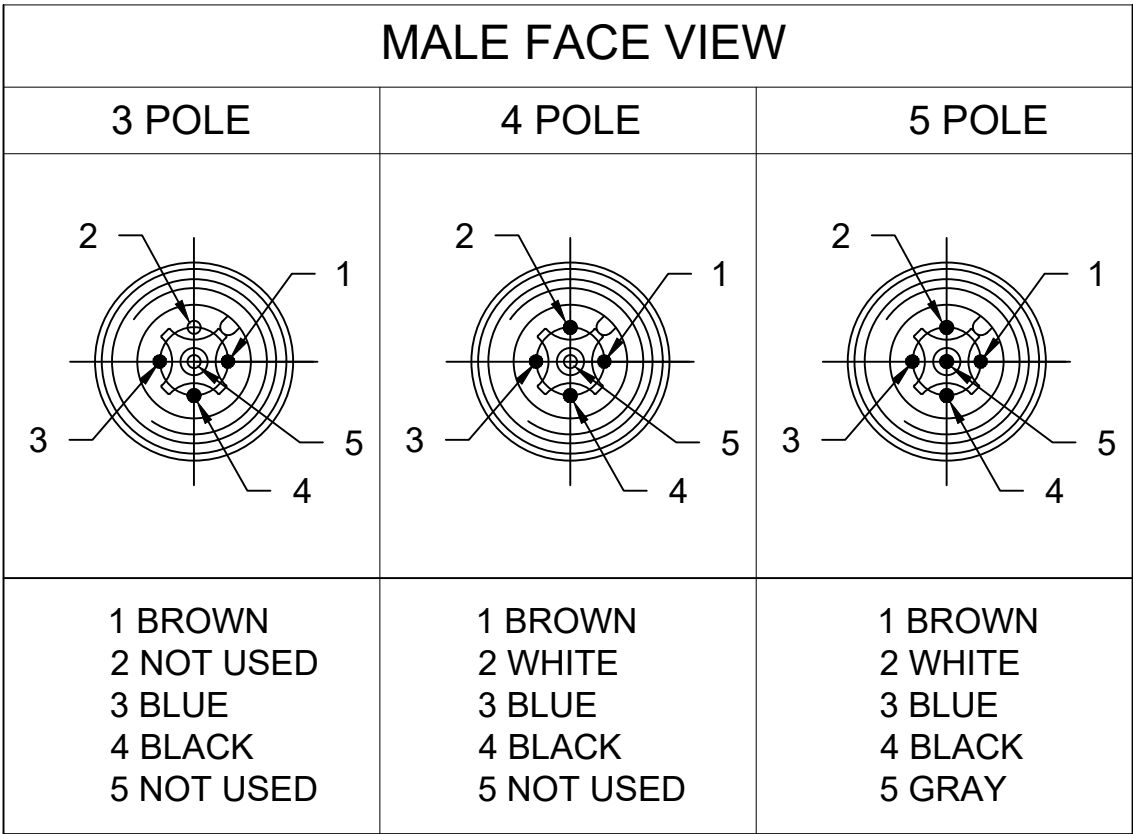
5	4
---	---

3	2	
---	---	--

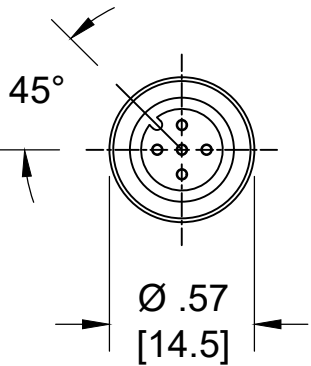
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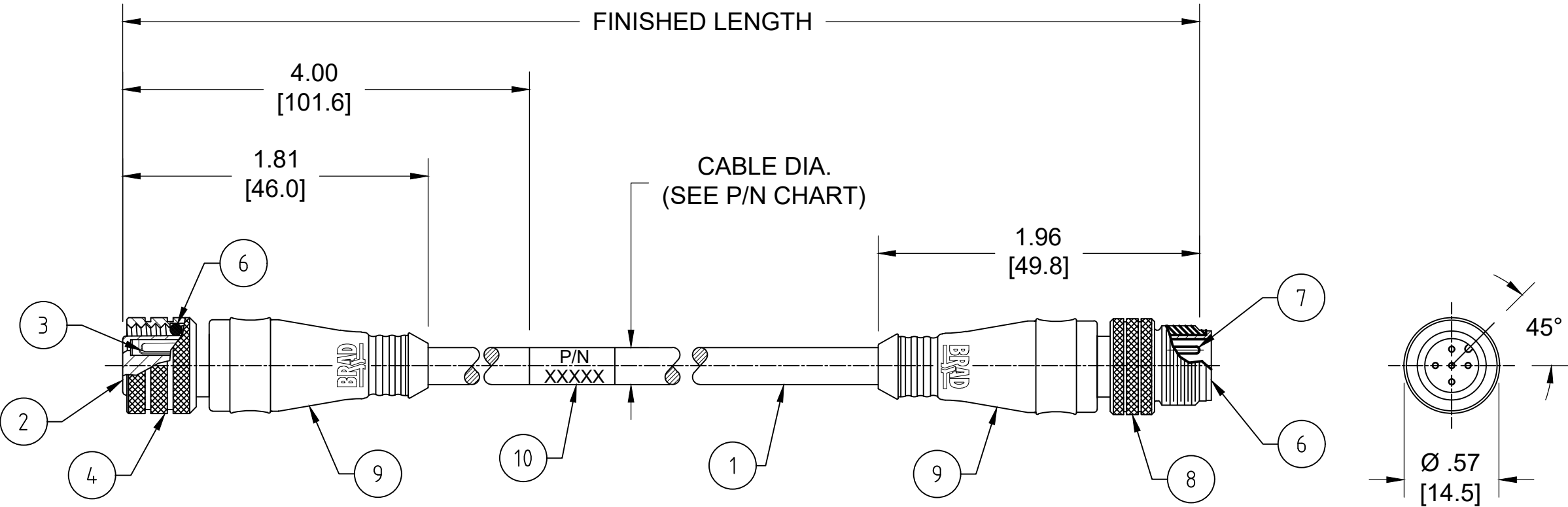
PART NO.	ENGINEERING NO.	FINISHED LENGTH	POLES	CABLE DIA.
1200660675	883030K05M005	0.5M [1FT 8 IN]	3	.20[5.1]
1200660695	884030K05M100	10M [32FT 10 IN]	4	.21[5.3]
1200662239	885030K05M300	30M [98FT 5 IN]	5	.23[5.8]



- NOTES:
- 1. MATERIAL: AS NOTED
 - 2. FINISH: AS NOTED
 - 3. ELECTRICAL:
 - VOLTAGE: 250V
 - CURRENT: 4A
 - 4. TEMP RATING: -20°TO +105°C
 - 5. PROTECTION: IP67 (WHEN MATED)
 - 6. COUPLING THREAD: M12 X 1
 - 7. UL RECOGNIZED FILE: E152210
 - CSA CERTIFIED FILE: LR6837
 - 8. ALL DIMENSIONS ARE FOR REFERENCE UNLESS TOLERACED OR NOTED OTHERWISE



FEMALE FACE VIEW



MALE FACE VIEW

CABLE FLEX CHARACTERISTICS

TORSIONAL FLEX TEST	5 MILLION CYCLES PER MIL-C-13777G
BEND FLEX TEST	6.5 MILLION CYCLES PER MIL-C-13777G
DRAG CHAIN TEST	20 MILLION CYCLES PER MIL-C-13777G
WELD SLAG RESISTANCE	WOODHEAD STANDARD S-300

10	WRAP LABEL	VINYL	BLACK/WHITE
9	OVERMOLD	TPC	YELLOW
8	MALE COUPLING NUT	BRASS	NICKEL PLATED
7	CONTACT PIN	COPPER ALLOY	GOLD PLATED
6	MALE INSERT	PUR	BLACK
5	O-RING	VITON	RED
4	FEMALE COUPLING NUT	BRASS	NICKEL PLATED
3	CONTACT SOCKET	COPPER ALLOY	GOLD PLATED
2	FEMALE INSERT	PUR	BLACK
1	#22/3-5 AWG CABLE	TPE JACKET	YELLOW
ITEM	DESCRIPTION	MATERIAL	FINISH

PART NUMBER LEGEND

883030K05M005

POLES: 3,4 & 5

CABLE TYPE
22AWG
TPE YELLOW

FINISHED LENGTH:
M005 = 0.5 METER
M010 = 1 METER
M100 = 10 METER

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

FUNCTIONAL SYMBOLS F A =0 F E =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: ITEM-9 WAS TPE. ITEM-10 WAS BLACK/YELLOW. MODIFIED CABLE FLEX CHART, TEMP RATING AND PART NUMBER CHART						molex						
	INCH/MM			NTS															
	GENERAL TOLERANCES (UNLESS SPECIFIED)						EC NO: 785985 DRWN: ABENJAMINLW 2024/05/07 CHK'D: PDODDAMANEMY 2024/05/13 APPR: BWOODMAN 2024/05/13 INITIAL REVISION: DRWN: LSTEMMLE 2010/01/25 APPR: NSTAUDIG 2010/01/29						MICRO-CHANGE CORDSET, M12 3-5 POLE, MALE-FEMALE, STRAIGHT, SINGLE KEY, #22AWG TPE CABLE PRODUCT CUSTOMER DRAWING						
		mm		INCH															
	4 PLACES			± ----															
	3 PLACES			± ----															
	2 PLACES			± ----															
	1 PLACE			± ----															
	0 PLACES			± ----															
	ANGULAR TOL			± ---- °															
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS						THIRD ANGLE PROJECTION			DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
										C-SIZE		120066		SEE CHART		GENERAL MARKET		1 OF 1	

molex

MICRO-CHANGE CORDSET, M12
3-5 POLE, MALE-FEMALE, STRAIGHT,
SINGLE KEY, #22AWG TPE CABLE

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER DOC TYPE|DOC PART| REVISION

SD-120066-011

PSD 001 C