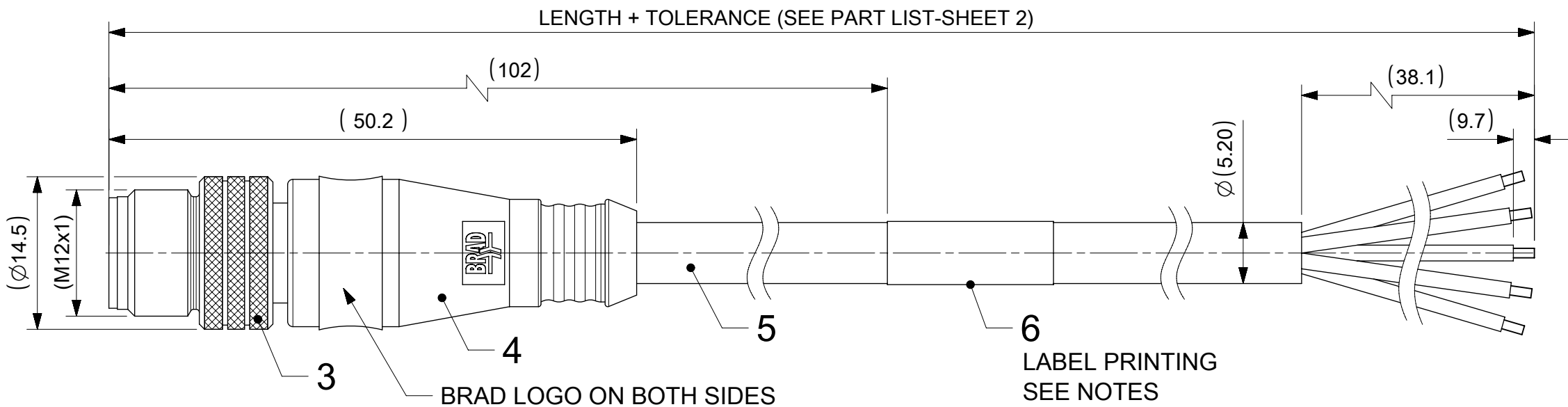
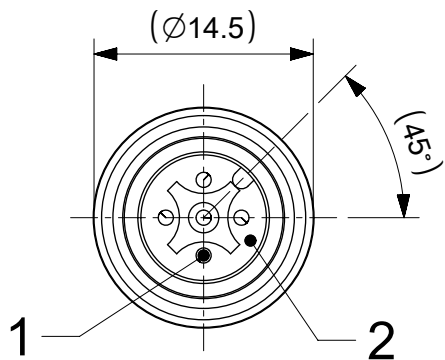


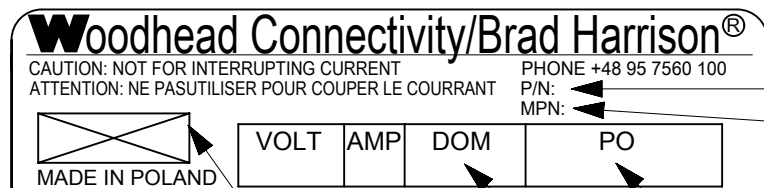
MALE PLUG M12 STRAIGHT



NOTES:

RATED VOLTAGE: 3, 4 contacts 250V
5 contacts 60V
RATED CURRENT: 3, 4, 5 contacts 4A
PROTECTION CLASS: IP 67 (WHEN MATED)
TEMPERATURE: -20° C TO +105° C
UL RECOGNIZED FILE: E152210
CSA CERTIFIED FILE: LR6837
ALL DIMENSIONS ARE FOR REFERENCE
UNLESS TOLERANCED OR NOTED OTHERWISE
LABEL PRINTING ACC. STANDARD LABEL INSTRUCTION

LABEL PRINTING



ENGINEERING NO.
MOLEX PN

PO NO.
PRODUCT. DATE

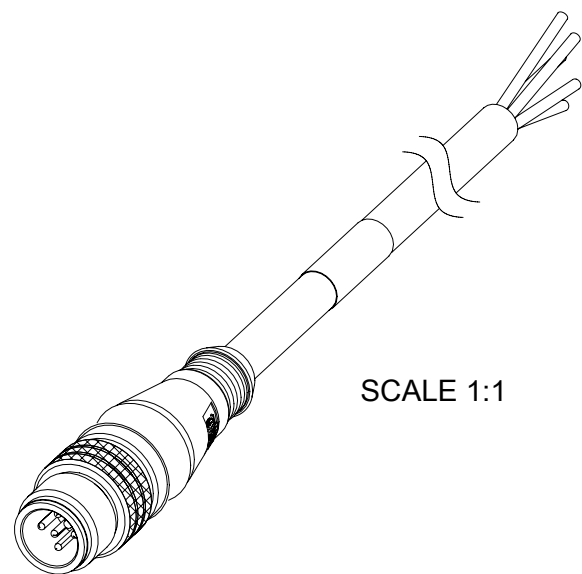
CERTIFICATION SYMBOLS

CONTACTS POSITION FRONT VIEW:

3 CONTACTS		4 CONTACTS		5 CONTACTS	
PIN	WIRE	PIN	WIRE	PIN	WIRE
1	BROWN	1	BROWN	1	BROWN
2	---	2	WHITE	2	WHITE
3	BLUE	3	BLUE	3	BLUE
4	BLACK	4	BLACK	4	BLACK
5	---	5	---	5	GRAY OR YELLOW/GREEN

FOR OPTIONS SEE - NUMERICAL CODE - ON SHEET 2

6	1	WRAP LABEL	VINYL	YELLOW
5	-	CABLE	SEE SHEET 2	---
4	-	OVERMOLD	TPC	YELLOW
3	1	COUPLING NUT MALE	BRASS	SEE MATRIX
2	1	INSERT MALE	PUR	BLACK
1	3 / 4 / 5	CONTACT M12 MALE	BRASS	SELECTIVE Au OVER Ni
ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH /COLOR



FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION														
FA = 0	DIMENSION UNITS		SCALE		CURRENT REV DESC: FIRST RELEASE			molex							
	mm		2:1												
	FE = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)						CSE M12 XP AC MA STR TPE XM SE UNSH							
FP = 0	ANGULAR TOL ± °														
DIVISIONAL SYMBOLS	4 PLACES		±		EC NO: 756614			PRODUCT CUSTOMER DRAWING							
	3 PLACES		±		DRWN: RSCHIEBER 2023/05/09										
	2 PLACES		±		CHK'D: RSILLER 2023/07/14										
	1 PLACE		±		APPR: RSILLER 2023/07/14										
	0 PLACES		±		INITIAL REVISION:										
					DRWN: RSCHIEBER 2023/05/09										
				APPR: RSILLER 2023/07/14			DOCUMENT NUMBER		DOC TYPE		DOC PART	REVISION			
							1200651113		PSD		000	A			
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
						A3-SIZE		120065		SEE PART LIST		GENERAL MARKET		1 OF 2	

COUPLING NUTS

8	0	X	0	0	6	K	0	5	X	X	X	X	X
---	---	---	---	---	---	---	---	---	---	---	---	---	---

80=M12x1
Single ended

Contacts:
3=3 Contacts
4=4 Contacts
5=5 Contacts
8=8 Contacts

Heads style:
006=Plug Male Straight

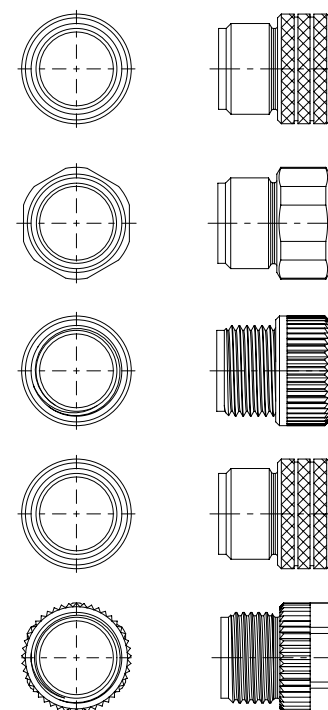
Cable type

Units:
M=Meter
C=Centimeter

Length
Examples:
005=0.5 unit
010=1 unit
100=10 units

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

Coupling Nut:
Blank (Standard) & 3=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
9=Knurled / Hexagonal Brass Ni Plated SW13



D

CABLE TYPE	NO. OF WIRES	CROSS SECTION	CABLE JACKET	UL	CSA
K05	3 / 4 / 5	0.34mm ²	TPE YELLOW	UL ITC E195601 or PLTC	I/II A/B 90°C/300V

C

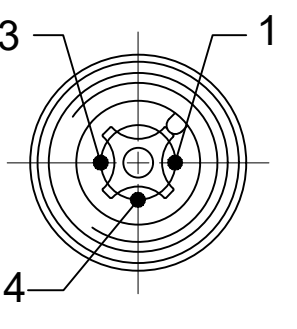
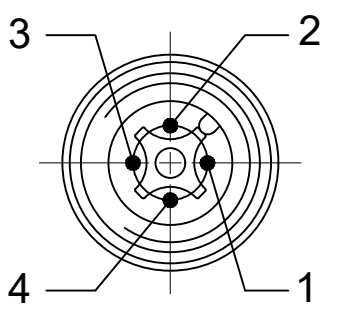
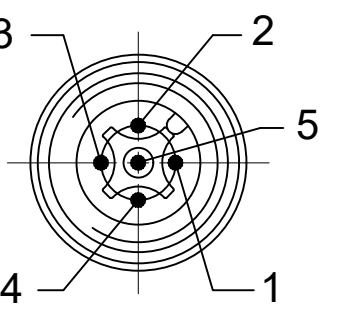
Part No.	Engineering No.	Cable Length
1200651113	803006K05M006	0.6 m
1200652219	803006K05M010	1 m
1200652035	803006K05M015	1.5 m
1200651114	803006K05M020	2 m
1200651115	803006K05M025	2.5 m
1200651116	803006K05M040	4 m
1200651117	803006K05M050	5 m
1200651118	803006K05M060	6 m
1200652437	803006K05M080	8 m
1200651119	803006K05M100	10 m
1200651128	804006K05M006	0.6 m
1200652082	804006K05M010	1 m
1200651129	804006K05M020	2 m
1200651363	804006K05M030	3 m
1200651130	804006K05M040	4 m
1200651131	804006K05M050	5 m
1200651132	804006K05M060	6 m
1200652436	804006K05M080	8 m
1200651133	804006K05M100	10 m
1200652049	804006K05M150	15 m
1200652506	804006K05M250	25 m
1200652461	805006K05M010	1 m
1200652462	805006K05M020	2 m
1200652463	805006K05M030	3 m

[illegible]

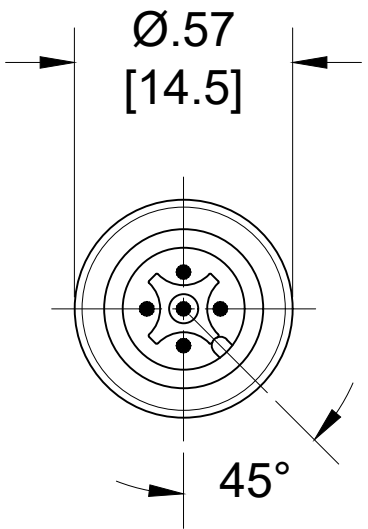
CABLE LENGTH TOLERANCES		
OVER	UP TO AND INCLUDING	TOLERANCES
0	305mm	+19mm
305mm	915mm	+45mm
915mm	1830mm	+56mm
1830mm	3660mm	+89mm
3660mm	7320mm	+165mm
7320mm	14640mm	+317mm
14640mm	30500mm	+610mm
30500mm	>	+2% OF FINISHED LENGTH

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: FIRST RELEASE			molex					
	mm		1:1										
	GENERAL TOLERANCES (UNLESS SPECIFIED)												
	ANGULAR TOL ± °												
	4 PLACES		±					EC NO: 756614 DRWN: RSCHIEBER 2023/05/09 CHK'D: RSILLER 2023/07/14 APPR: RSILLER 2023/07/14			CSE M12 XP AC MA STR TPE XM SE UNSH		
	3 PLACES		±										
	2 PLACES		±										
	1 PLACE		±		PRODUCT CUSTOMER DRAWING								
	0 PLACES		±					DOCUMENT NUMBER 1200651113			DOC TYPE PSD	DOC PART 000	REVISION A
DIVISIONAL SYMBOLS		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING A3-SIZE	SERIES 120065				MATERIAL NUMBER SEE PART LIST		CUSTOMER GENERAL MARKET

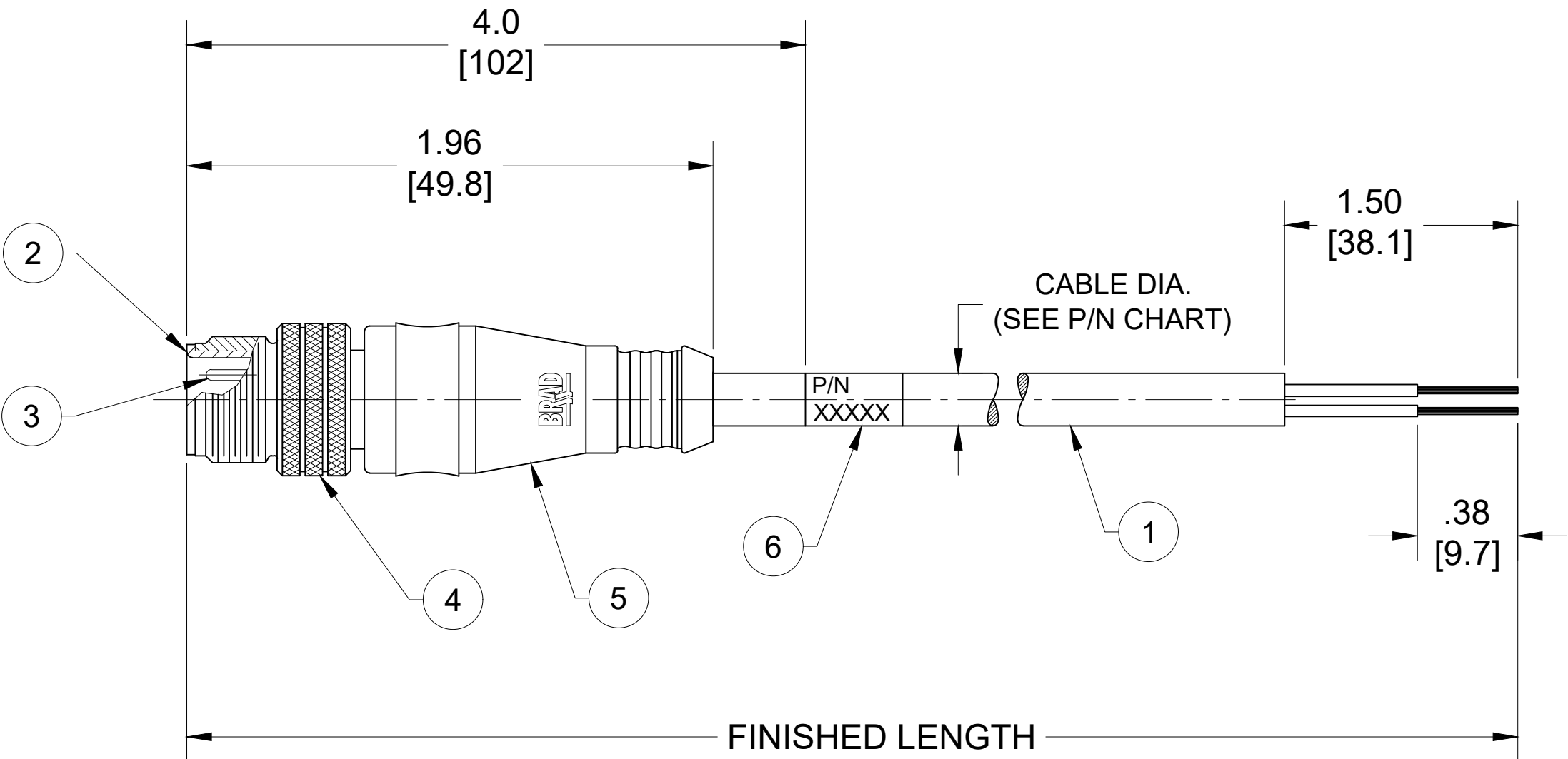
FORMAT: master tb prod-A3
REVISION: J1

FACE VIEW - MALE INSERT		
3 POLE	4 POLE	5 POLE
		
1 BROWN 2 NOT USED 3 BLUE 4 BLACK 5 NOT USED	1 BROWN 2 WHITE 3 BLUE 4 BLACK 5 NOT USED	1 BROWN 2 WHITE 3 BLUE 4 BLACK 5 GRAY

- 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: M12X1
 - 7. UL RECOGNIZED FILE: E152210
CSA CERTIFIED FILE: LR6837
 - 8. ALL DIMENSIONS ARE FOR REFERENCE
UNLESS TOLERANCED OR NOTED OTHERWISE



PART NO	ENGINEERING NO.	FINISHED LENGTH	POLES	CABLE DIA.
1200651113	803006K05M006	0.6M [2FT]	3	.20 [5.1]
1200652049	804006K05M150	15M [49FT 2 IN]	4	.21 [5.3]
1200652470	805006K05M300	30M [98FT 5 IN]	5	.23 [5.8]



CABLE FLEX CHARACTERISTICS

TORSIONAL FLEX TEST	10 MILLION CYCLES PER MIL-C-13777G
BEND FLEX TEST	10 MILLION CYCLES PER MIL-C-13777G
WELD SLAG RESISTANCE	WOODHEAD STANDARD S-300

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

DOCUMENT STATUS	P1	RELEASE DATE	2021/07/28 23:37:21
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PART NO. MATRIX
803006K05M006

POLES
(3, 4 & 5)

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 FA=0 FE=0 FP=0 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: ITEM #6 WAS TPE. MODIFIED TEMP RATING & PN CHART				molex MICRO-CHANGE CORDSET, M12, 3-5 POLE, MALE, STRAIGHT, SINGLE KEY, #22 AWG TPE HI-FLEX					
	DIMENSION UNITS		SCALE		GENERAL TOLERANCES (UNLESS SPECIFIED)						EC NO: 671333 DRWN: ABENJAMINLW 2021/04/30 CHK'D: RSTONE 2021/07/23 APPR: BWOODMAN 2021/07/28					
	INCH/MM		NTS													
			mm		INCH		INITIAL REVISION: DRWN: RSTONE 2018/11/01 APPR: BWOODMAN 2018/11/30									
	4 PLACES		± ---- ± ----													
	3 PLACES		± ---- ± ----													
	2 PLACES		± ---- ± ----		PRODUCT CUSTOMER DRAWING											
	1 PLACE		± ---- ± ----													
	0 PLACES		± ---- ± ----													
ANGULAR TOL ± ---- °				DOCUMENT NUMBER				DOC TYPE		DOC PART		REVISION				
				SD-120065-114				PSD		001		B				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER		
						C-SIZE		120065		SEE CHART		GENERAL MARKET		1 OF 1		