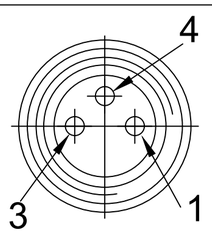
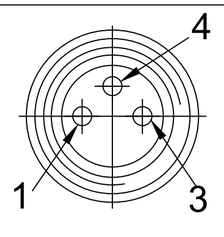
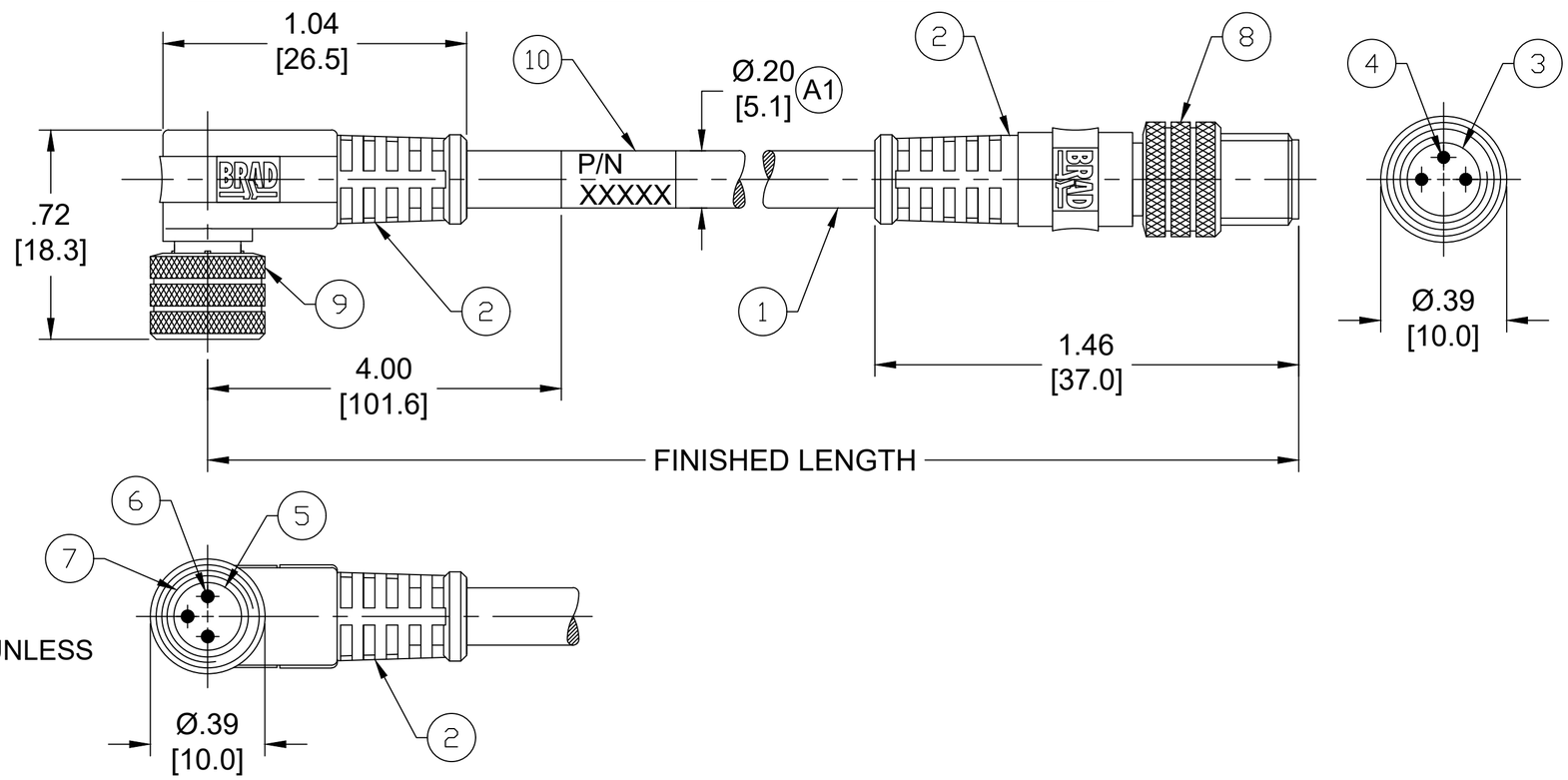
FEMALE 3 POLE

1 BROWN 3 BLUE 4 BLACK

MATERIAL NUMBER	ENGINEERING NUMBER	FINISHED LENGTH
1200868545	443031K05M006	0.6M [2 FT]
1200870485	443031K05M010	1M [3 FT 3 IN]
1200870486	443031K05M020	2M [6 FT 7 IN]
1200868546	443031K05M050	5M [16 FT 5 IN]

A1

MALE 3 POLE

1 BROWN 3 BLUE 4 BLACK



NOTES:
1. MATERIAL: AS NOTED
2. FINISH: AS NOTED
3. ELECTRICAL:
   VOLTAGE : 60VAC/75VDC
   CURRENT: 4A
4. TEMP RATING: -20° TO +105°C (A1)
5. PROTECTION: IP67 (WHEN MATED)
6. COUPLING THREAD: M8X1
7. UL LISTED FILE: E152210
8. ALL DIMENSIONS ARE FOR REFERENCE UNLESS TOLERANCED OR NOTED OTHERWISE

MECHANICAL CHARACTERISTICS: (A1)

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

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

(A1)

PART NUMBER LEGEND

443031K05M010

LENGTH
M001 = .6 METER
M010 = 1 METER
M100 = 10 METER

(A1) 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

DOCUMENT STATUS	P1	RELEASE DATE	2022/04/16 16:04:47

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: INCH/MM
SCALE: NTS

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	±----	±----
3 PLACES	±----	±----
2 PLACES	±----	±----
1 PLACE	±----	±----
0 PLACES	±----	±----
ANGULAR TOL ± ---- °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: ITEM-10 WAS MYLAR. ADDED CABLE DIA & MECHANICAL CHARACTERISTICS CHART. MODIFIED TEMP RATING & PN CHART. REMOVED CSA

EC NO: 702709
DRWN: ABENJAMINLW 2021/10/25
CHK'D: RSTONE 2022/04/11
APPR: BWOODMAN 2022/04/16

INITIAL REVISION:
DRWN: GGUSTAFS 2013/10/11
APPR: BWOODMAN 2013/11/12

THIRD ANGLE PROJECTION | DRAWING: C-SIZE | SERIES: 120086 | MATERIAL NUMBER: SEE CHART | CUSTOMER: GENERAL MARKET | SHEET NUMBER: 1 OF 1

molex

NANO CHANGE CORDSET, M8
3 POLE, FEMALE 90DEG - MALE STRAIGHT,
#22 AWG TPE HI-FLEX

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-120086-054	PSD	001	A1

FORMAT: IN-ACAD-tb-prod-C
REVISION: B
DATE: 2020/01/14