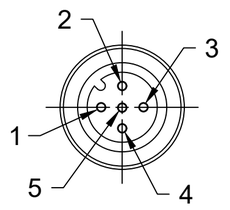
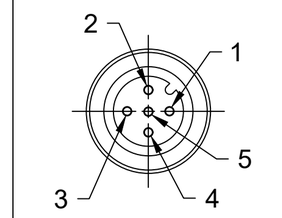
FEMALE FACE VIEW

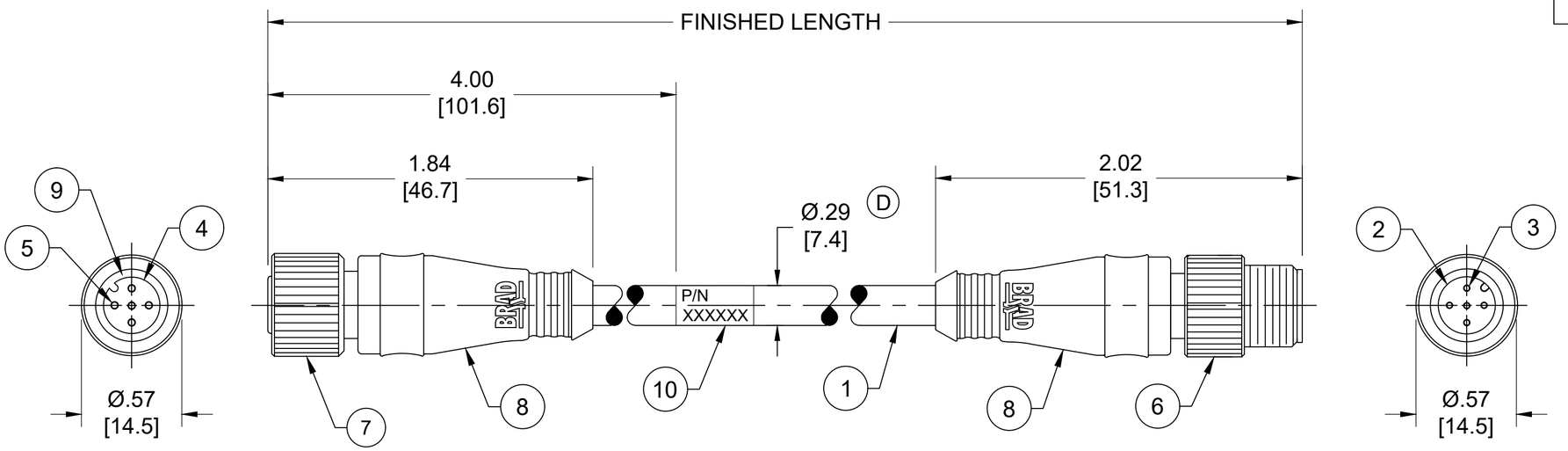


MATERIAL NUMBER	ENGINEERING NUMBER	FINISHED LENGTH
1300280021	DND22A-M002	0.2M [8 IN]
1300280050	DND22A-M200	20M [65FT 7 IN]
1300280055	DND22A-M400	40M [131FT 3 IN]

(D)

MALE FACE VIEW





FEMALE FACE VIEW

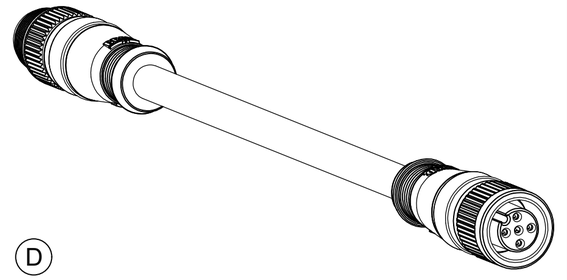
MALE FACE VIEW

NOTES:
1. MATERIAL: AS NOTED
2. FINISH: AS NOTED
3. ELECTRICAL:
   VOLTAGE : 250V AC/DC (D)
   CURRENT: 4A
4. TEMP RATING: -20° TO +80°C
5. PROTECTION: IP67 (WHEN MATED)
6. COUPLING THREAD: M12X1
7. UL LISTED FILE: E152210
   CSA CERTIFIED FILE: LR6837
8. ALL DIMENSIONS ARE FOR REFERENCE
   UNLESS TOLERACED OR NOTED OTHERWISE

PART NUMBER LEGEND

DND22A-M005

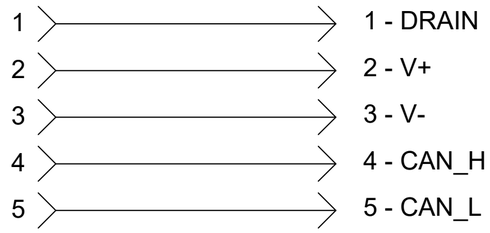
FINISHED LENGTH:
M005= 0.5 METER
M010= 1 METER
M100= 10 METER



(D)

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

SCHEMATIC



ITEM	COMPONENT	MATERIAL	FINISH	
10	WRAP LABEL	VINYL	BLACK/YELLOW	
9	O-RING	NITRILE	RED	(D)
8	OVERMOLD	TPC	GRAY	(D)
7	FEMALE COUPLING NUT	ZINC DIE CAST	BLACK E-COATED	
6	MALE COUPLING NUT	ZINC DIE CAST	BLACK E-COATED	
5	CONTACT SOCKET	COPPER ALLOY	GOLD OVER NICKEL	
4	FEMALE INSERT	NYLON 6/6	BLACK	
3	CONTACT PIN	COPPER ALLOY	GOLD OVER NICKEL	
2	MALE INSERT	NYLON 6/6	BLACK	
1	CABLE #22 AWG	PVC	GRAY	

DOCUMENT STATUS	P1	RELEASE DATE	2022/05/04 21:13:42

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 #8 WAS PVC. VOLTAGE WAS 250V. ADDED O-RING ITEM #9, CABLE DIA & TOL CHART. MODIFIED PN TABLE.

EC NO:	704134	
DRWN:	ABENJAMINLW	2021/06/02
CHK'D:	RSTONE	2022/04/27
APPR:	BWOODMAN	2022/05/04
INITIAL REVISION:		
DRWN:	BWOODMAN	2009/03/13
APPR:	JFMURPHY	2009/03/31

molex

MICRO-CHANGE DEVICENET, M12,
5 POLE, MALE - FEMALE, STRAIGHT, SINGLE KEY,
#22 AWG

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-130028-001	PSD	001	E

THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	C-SIZE	130028	SEE CHART	GENERAL MARKET	1 OF 1

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