

SAP P/N #	ENGINEERING P/N	FINISHED LENGTH
1300390178	DND31A-M005	0.5M [1FT 8 IN]
1300390182	DND31A-M030	3M [9FT 10 IN]
1300390183	DND31A-M050	5M [16FT 5 IN]

PART NUMBER LEGEND

DND31A-M002

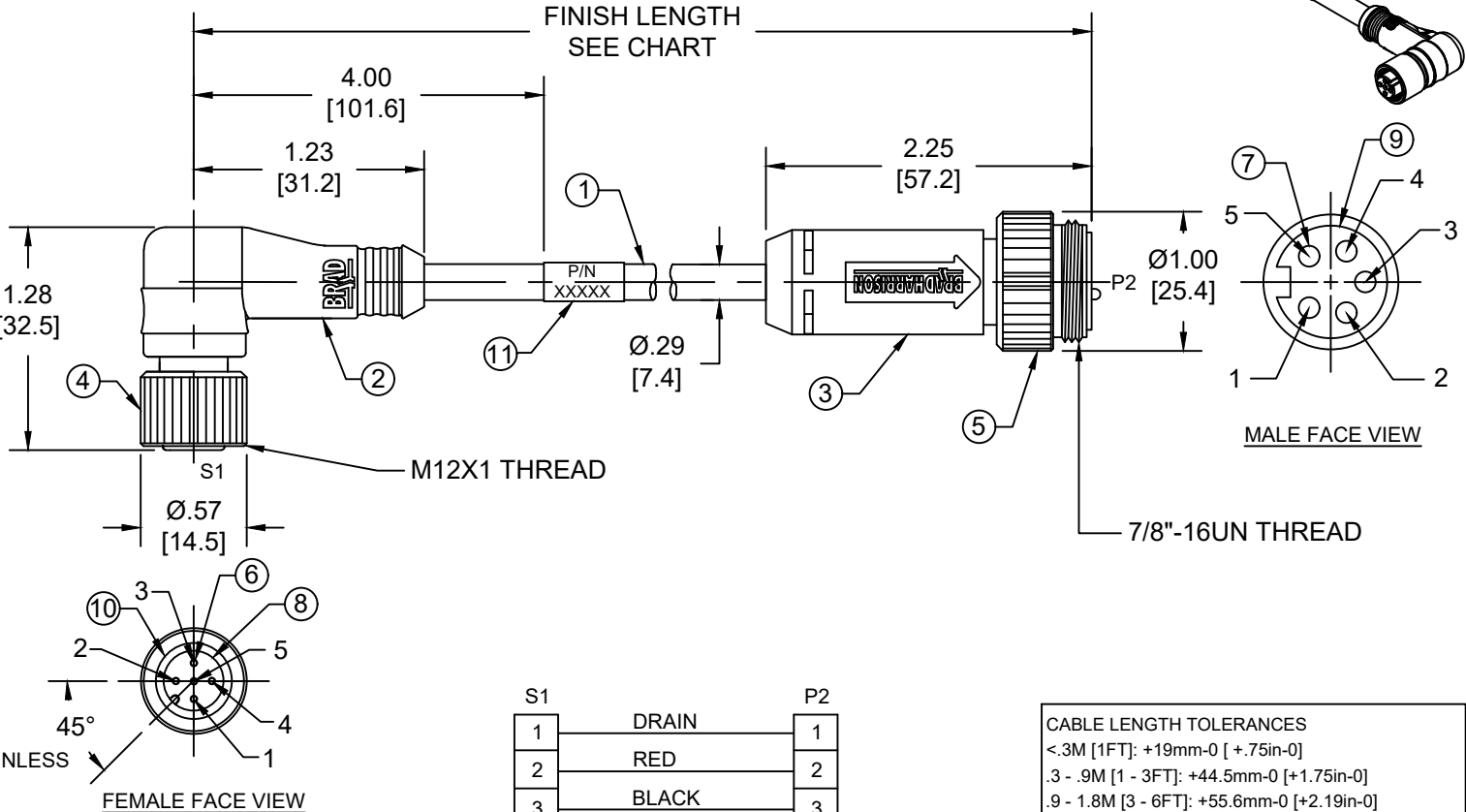
LENGTH:
M005= 0.5 METER
M010= 1 METER
M100= 10 METER

NOTES:

- MATERIAL: SEE TABLE
- FINISH: SEE TABLE
- ELECTRICAL:
VOLTAGE: 60V
CURRENT: 4A
- TEMP RATING: -20°C TO +80°C
- PROTECTION: IP67 (WHEN MATED)
- UL LISTED FILE: E152210
CSA CERTIFIED FILE: LR6837
- ALL DIMENSIONS ARE FOR REFERENCE UNLESS TOLERANCED OR NOTED OTHERWISE

11	WRAP LABEL	VINYL	YELLOW
10	O-RING	NITRILE	RED
9	INSERT(MINI)	TPE	BLACK
8	INSERT(MICRO)	NYLON	BLACK
7	PIN CONTACT	COPPER ALLOY	GOLD PLATED
6	SOCKET CONTACT	COPPER ALLOY	GOLD PLATED
5	COUPLING NUT(MINI)	ZINC DIE-CAST	BLACK E-COAT
4	COUPLING NUT(MICRO)	ZINC DIE-CAST	BLACK E-COAT
3	OVERMOLD(MINI)	TPC	GRAY
2	OVERMOLD(MICRO)	TPC	GRAY
1	DEVICENET DROP CABLE	PVC JACKET	GRAY
ITEM	COMPONENT	MATERIAL	FINISH

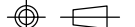
DOCUMENT STATUS	P1	RELEASE DATE	2024/09/19	14:14:35
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S1	P2
1	1
2	2
3	3
4	4
5	5

WIRING DIAGRAM

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

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: VOLTAGE CHANGED FROM 250V TO 60V.LABEL FINISH CHANGED FROM BLACK/YELLOW TO YELLOW. ITEM 6, 7 FINISH CHANGED TO GOLD PLATED			molex									
	INCH/MM		NTS										MINI-MICRO CHANGE DEVICENET, A-SIZE-M12, 5 POLE, MALE STRAIGHT -FEMALE 90DEG, SINGLE KEY, #22/4 AWG				
	GENERAL TOLERANCES (UNLESS SPECIFIED)																
	mm		INCH														
	4 PLACES		± ----		± ----		EC NO: 796537			2024/08/05							
	3 PLACES		± ----		± ----		DRWN: ABENJAMINLW										
	2 PLACES		± ----		± ----		CHK'D: LESPINOZA										
	1 PLACE		± ----		± ----		APPR: BWOODMAN			2024/09/19							
	0 PLACES		± ----		± ----		INITIAL REVISION:			2010/01/11							
	ANGULAR TOL ± ---- °						DRWN: TWOLDEGE										
						APPR: JFMURPHY											
						2010/01/20											
DIVISIONAL SYMBOLS	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER		
							A-SIZE		130039		SEE CHART		GENERAL MARKET		1 OF 1		