

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

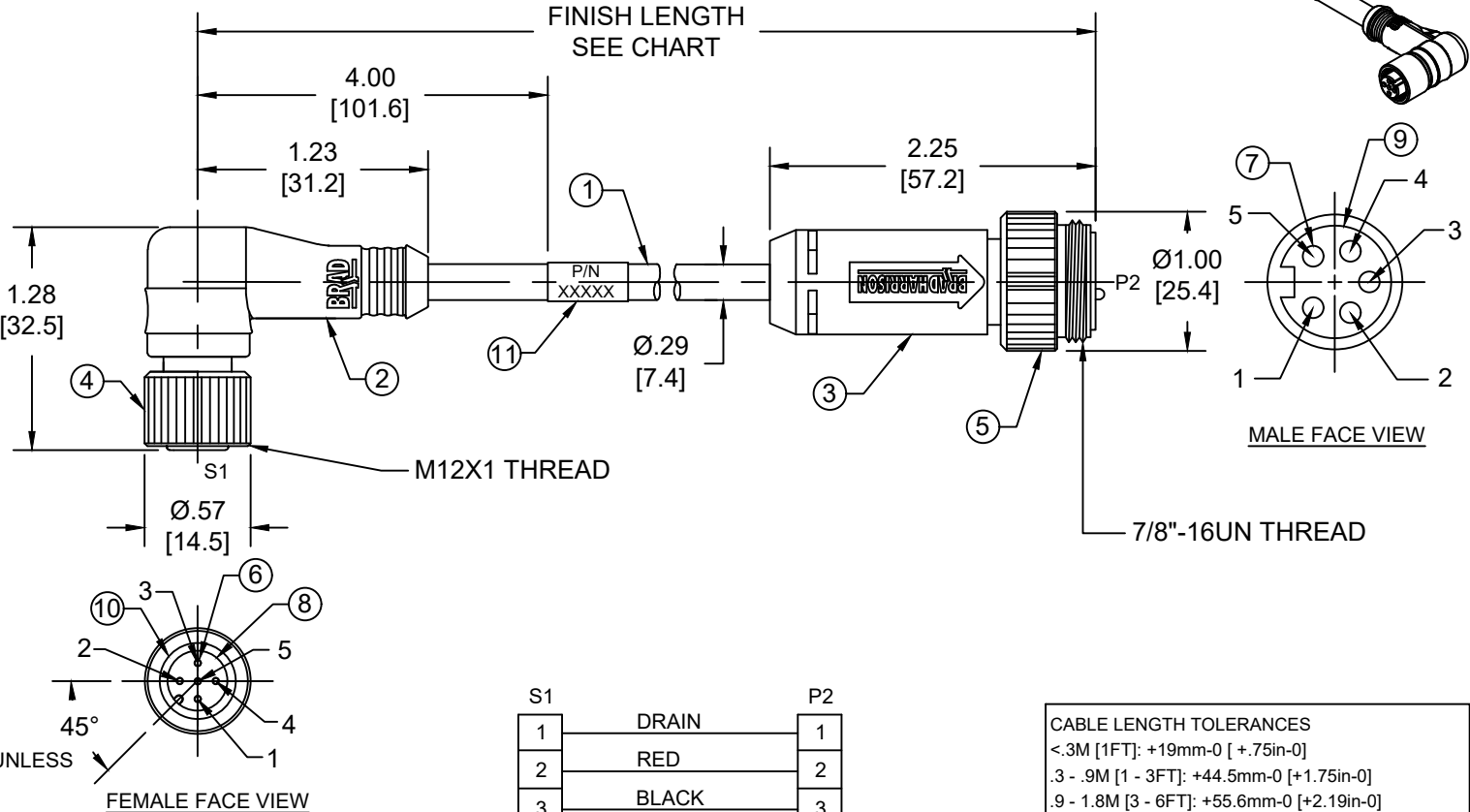
LENGTH:
M005= 0.5 METER
M010= 1 METER
M100= 10 METER

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

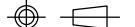
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S1		P2
1	DRAIN	1
2	RED	2
3	BLACK	3
4	WHITE	4
5	BLUE	5

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

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: 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										
GENERAL TOLERANCES (UNLESS SPECIFIED)							EC NO: 796537			MINI-MICRO CHANGE DEVICENET, A-SIZE-M12, 5 POLE, MALE STRAIGHT -FEMALE 90DEG, SINGLE KEY, #22/4 AWG		
		mm	INCH									
4 PLACES		± ----	± ----	DRWN: ABENJAMINLW			2024/08/05					
3 PLACES		± ----	± ----	CHK'D: LESPINOZA			2024/08/27					
2 PLACES		± ----	± ----	APPR: BWOODMAN			2024/09/19					
1 PLACE		± ----	± ----	INITIAL REVISION:			PRODUCT CUSTOMER DRAWING					
0 PLACES		± ----	± ----	DRWN: TWOLDEGE						DOCUMENT NUMBER		
ANGULAR TOL ± ---- °					APPR: JFMURPHY			SD-130039-022				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION			DRAWING		SERIES		MATERIAL NUMBER			
					A-SIZE		130039		SEE CHART			
									CUSTOMER			
									GENERAL MARKET			
									SHEET NUMBER			
									1 OF 1			