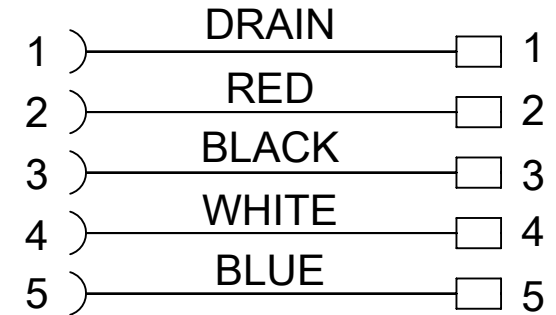


CABLE SPECIFICATION:

CONDUCTOR:
MATERIAL: BARE COPPER
SECTION: 22AWG/0.14mm²
INSULATION 2.23 ±0.12mm:
COLOR: BLUE, WHITE
INSULATION 1.27 ±0.05mm:
COLOR: RED, BLACK
JACKET:
COLOR: GRAY
COMPOUND: PVC
DIAMETER: 7.239 ±0.12mm
TEMPERATURE RANGE:
-20°C TO +80°C
MAX. OPERATING VOLTAGE: 300V

WIRING DIAGRAM



PART No. MATRIX

DND01A-MXXX

OPTIONS: H= 2x ID CARRIER

UNITS: M = METERS

LENGTH EXAMPLES:
005 = 0.5 m
010 = 1 m
050 = 5 m
100 = 10 m
150 = 15 m

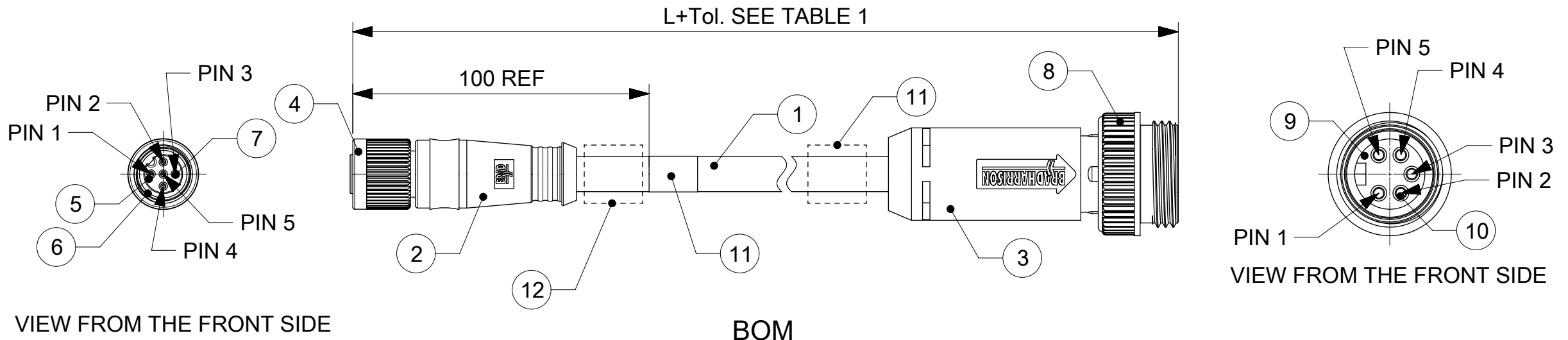


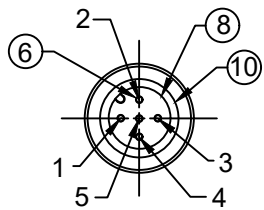
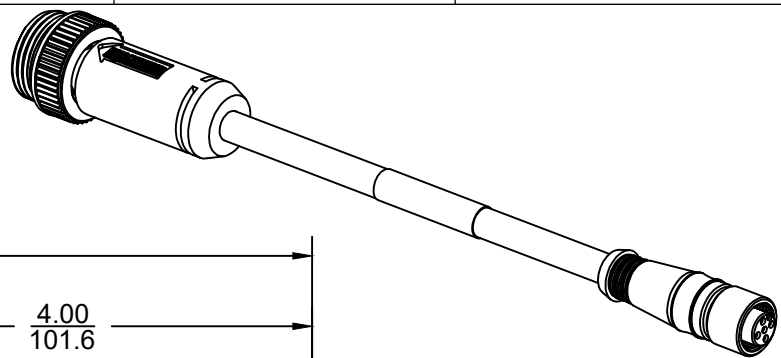
TABLE 1

MOLEX PN	ENGINEERING No	L+Tol. [mm]
1300390155	DND21A-M005	500 +19/-0
1300390157	DND21A-M010	1000 +56/-0
1300390159	DND21A-M020	2000 +89/-0
1300390166	DND21A-M050	5000 +165/-0
1300390169	DND21A-M100	10000 +317/-0
1300390518	DND21A-M150	15000 +610/-0
1300390170	DND21A-M200	20000 +610/-0
1300390688	DND21A-M005H	500 +19/-0
1300390689	DND21A-M010H	1000 +56/-0
1300390690	DND21A-M020H	2000 +89/-0
1300390691	DND21A-M050H	5000 +165/-0
1300390692	DND21A-M100H	10000 +317/-0
1300390693	DND21A-M200H	20000 +610/-0
1300390694	DND21A-M150H	15000 +610/-0
1300390695	DND21A-M030H	3000 +89/-0

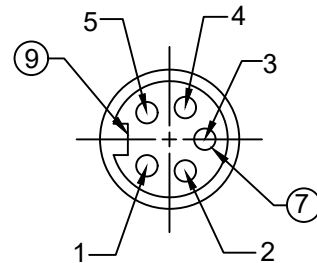
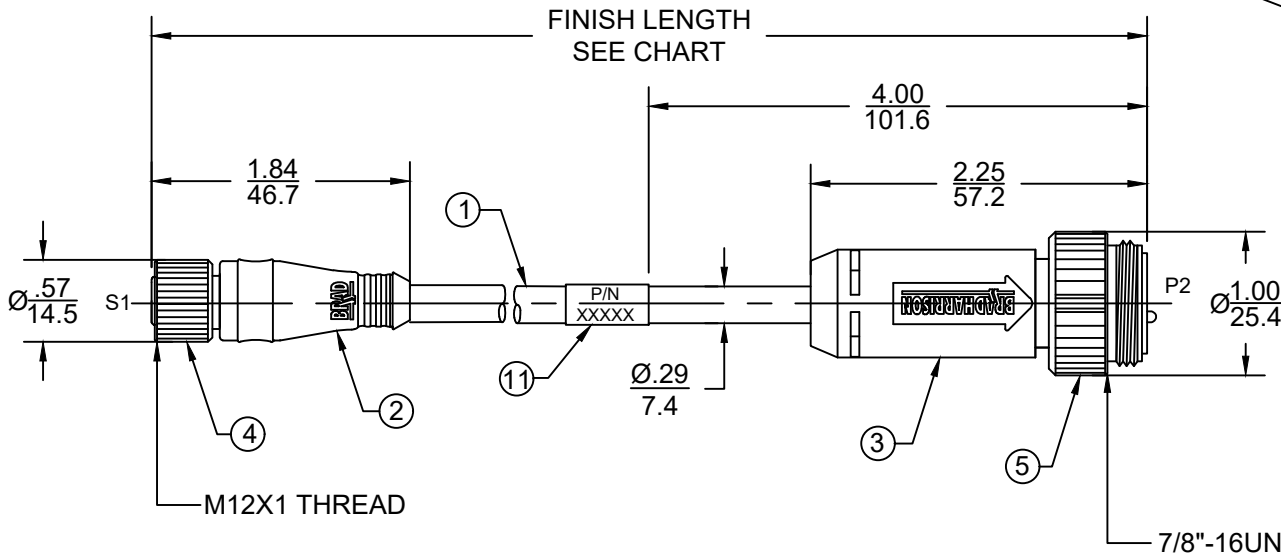
BOM

14	-	TAPE HIGH TEMP	-	-
13	-	HEAT-SHRINK	-	CLEAR
12	0/2	ID CARRIER (SEE MATRIX)	PVC	TRASPARENT
11	1	LABEL	VINYL	YELLOW
10	5	CONTACT MA	BRASS	Ni-PLATED
9	1	INSERT A-SIZE MA 5P	ARNITEL	BLACK
8	1	COUPLING NUT MA A-SIZE	ZINK ALLOY	-
7	5	CONTACT FE	-	-
6	1	GASKET	FPM	RED
5	1	INSERT M12 FE 5P MICRO	ZYTEL	BLACK
4	1	COUPLING NUT FE M12	ELECTROPHORETIC	BLACK
3	-	MOULDING MATERIAL	ARNITEL	BLACK
2	-	MOULDING MATERIAL	ARNITEL	BLACK
1	-	DROP CABLE 4/22AWG	PVC	GREY
ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH

SAP P/N #	ENGINEERING P/N	FINISHED LENGTH
1300390155	DND21A-M005	0.5M [1FT 8 IN]
1300390169	DND21A-M100	10M [32FT 10 IN]
1300390170	DND21A-M200	20M [65FT 7 IN]



FEMALE FACE VIEW



MALE FACE VIEW

NOTES:

- MATERIAL: AS NOTED
- FINISH: AS NOTED
- ELECTRICAL:
VOLTAGE: 250V
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

PART NUMBER LEGEND

DND21A-M150

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

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

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

WIRING DIAGRAM

11	WRAP LABEL	VINYL	BLACK/YELLOW
10	O-RING	NITRILE	RED
9	INSERT(MINI)	TPE	BLACK
8	INSERT(MICRO)	NYLON	BLACK
7	PIN CONTACT	COPPER ALLOY	GOLD OVER NICKEL
6	SOCKET CONTACT	COPPER ALLOY	GOLD OVER NICKEL
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	2022/09/09	18:08:06
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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: ITEM-9 FINISH CHANGED FROM GRAY TO BLACK.ITEM-3 WAS TPE. ADDED ITEM-10. MODIFIED PN CHART			molex MINI-MICRO CHANGE DEVICENET, A-SIZE-M12, 5 POLE, MALE-FEMALE, STRAIGHT, SINGLE KEY, 4/22 AWG									
	INCH/MM		NTS														
	GENERAL TOLERANCES (UNLESS SPECIFIED)																
			mm		INCH		EC NO: 720800 DRWN: ABENJAMINLW 2022/07/19 CHK'D: RSTONE 2022/09/09 APPR: BWOODMAN 2022/09/09			PRODUCT CUSTOMER DRAWING							
	4 PLACES		±----		±----												
	3 PLACES		±----		±----												
	2 PLACES		±----		±----												
1 PLACE		±----		±----													
0 PLACES		±----		±----		INITIAL REVISION: DRWN: TWOLDEGE 2010/01/11 APPR: JFMURPHY 2010/01/20			DOCUMENT NUMBER SD-130039-020					DOC TYPE PSD	DOC PART 001	REVISION D	
ANGULAR TOL ± ---- °																	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS																	
DIVISIONAL SYMBOLS					THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER		
							A-SIZE		130039		SEE CHART		GENERAL MARKET		1 OF 1		

molex

MINI-MICRO CHANGE DEVICENET, A-SIZE-M12,
5 POLE, MALE-FEMALE, STRAIGHT, SINGLE KEY,
4/22 AWG

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-130039-020	PSD	001	D