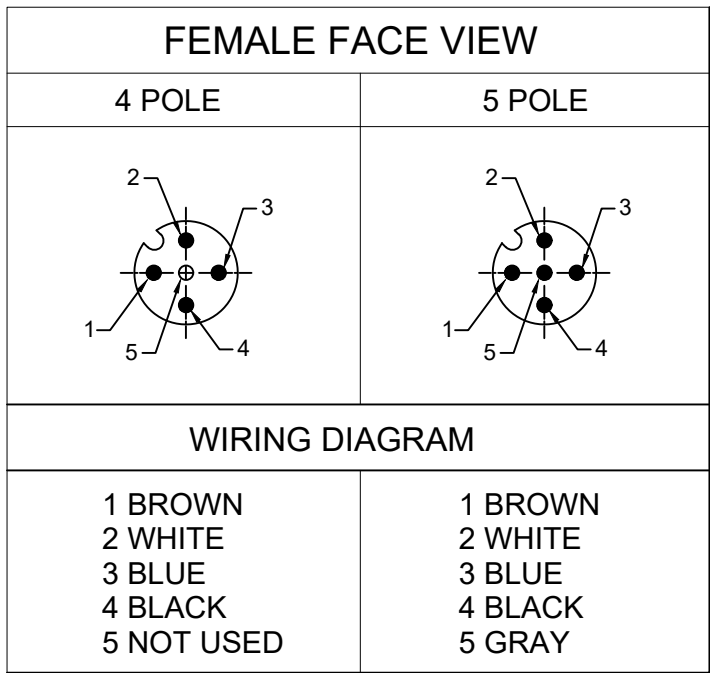




NOTES:

1. MATERIAL: AS NOTED

2. FINISH: AS NOTED

3. ELECTRICAL:
VOLTAGE: 250V
CURRENT: 4A

4. TEMP RATING: -20°TO +105°C

5. PROTECTION: IP67 (WHEN MATED)

6. COUPLING THREAD: M12X1

7. UL RECOGNIZED FILE: E152210
CSA CERTIFIED FILE: LR6837

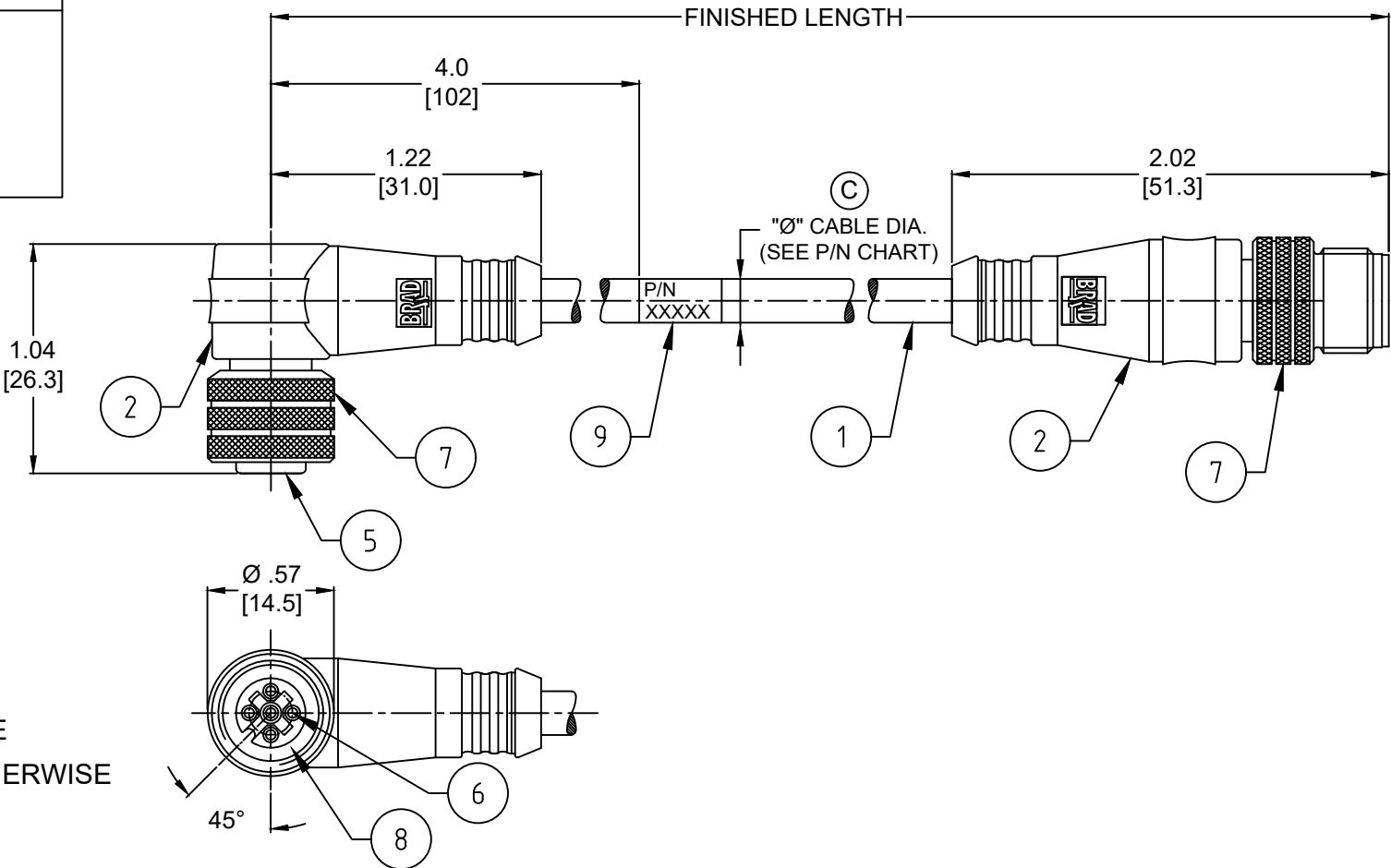
8. ALL DIMENSIONS ARE FOR REFERENCE
UNLESS TOLERANCED OR NOTED OTHERWISE

CABLE FLEX CHARACTERISTICS	
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

9	WRAP LABEL	VINYL	BLACK/YELLOW
8	O-RING	VITON	RED
7	COUPLER	BRASS	TEFLON/NICKEL
6	CONTACT SOCKET	COPPER ALLOY	GOLD OVER NICKEL
5	INSERT (FEMALE)	PUR	BLACK
4	CONTACT PIN	COPPER ALLOY	GOLD OVER NICKEL
3	INSERT (MALE)	PUR	BLACK
2	OVERMOLD	TPC	YELLOW
1	CABLE #18/4-5 AWG	TPE JACKET	YELLOW
ITEM	DESCRIPTION	MATERIAL	FINISH

DOCUMENT STATUS | P1 | RELEASE DATE | 2021/07/14 | 21:16:12

PART NO	ENGINEERING NO.	FINISHED LENGTH	POLES	CABLE DIA.
1200660969	884031K03M003	0.3M [1FT]	4	.26/6.6
1202010015	884031K03M200	20M [65FT 7 IN]		
1200661045	885031K03M005	0.5M [1FT 8 IN]	5	.28/7.1
1200661961	885031K03M200	20M [65FT 7 IN]		

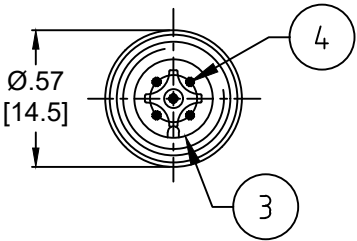
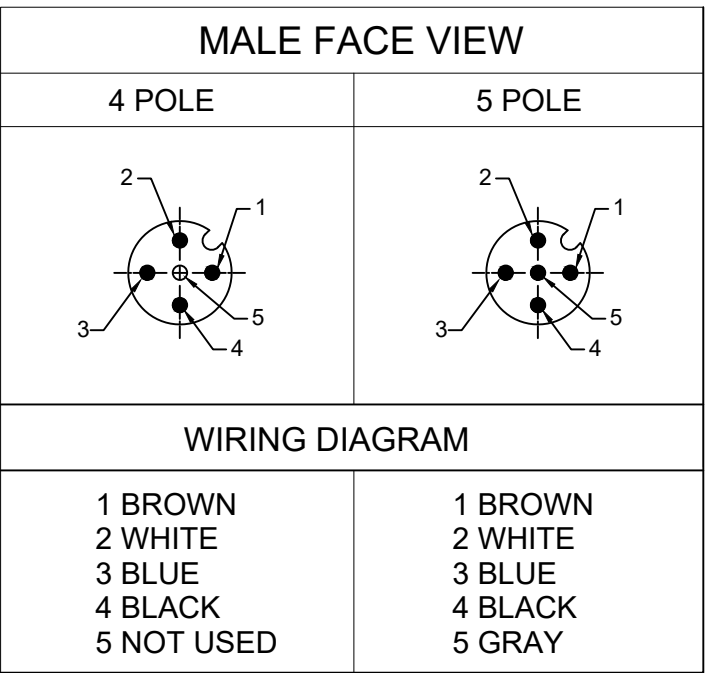


PART NO. MATRIX

884031K03M003

POLES (4 & 5)

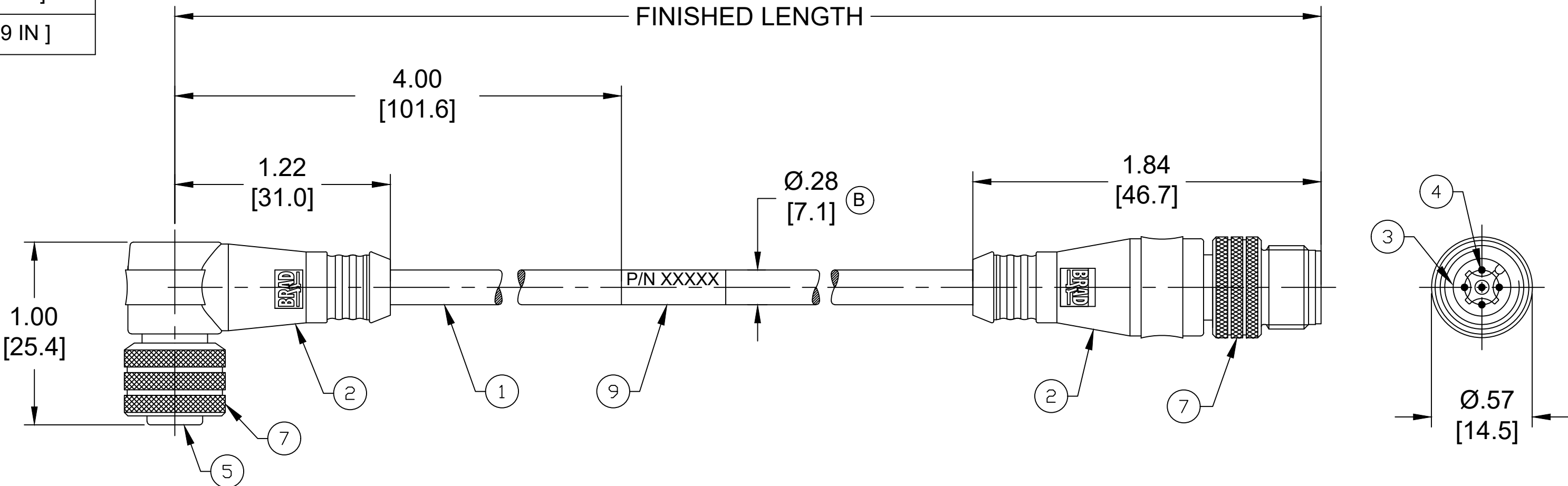
FINISHED LENGTH
M005 = 0.5 METER
M010 = 1 METER
M100 = 10 METER



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	

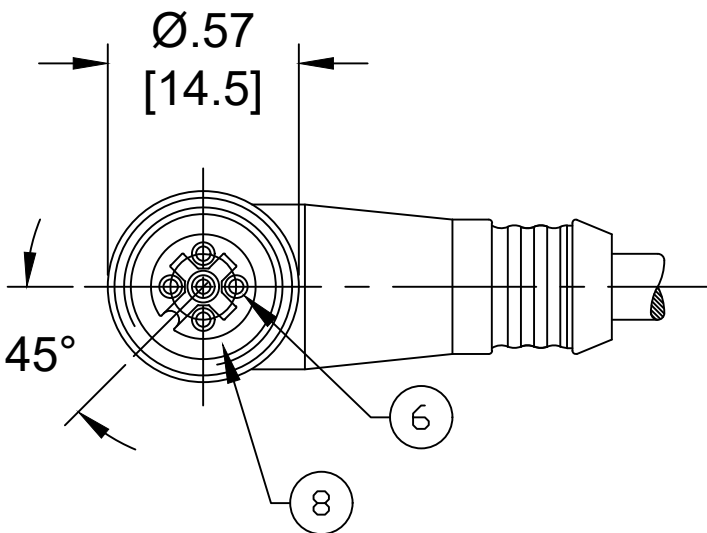
FUNCTIONAL SYMBOLS F A =0 F C =0 F E =0 DIVISIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION														
	DIMENSION UNITS		SCALE		CURRENT REV DESC: ITEM #2 WAS TPE. ITEM #9 WAS MYLAR. REMOVED 3 POLE DETAILS. ADDED UL, CSA, TOL CHART & CABLE DIA. MODIFIED PN CHART & FACE VIEWS			molex MICRO-CHANGE CORDSET, M12 4-5 POLE, FEMALE 90DEG - MALE STRAIGHT, SINGLE KEY, #18 AWG TPE HI-FLEX							
	INCH/MM		NTS												
	GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 6698893 DRWN: ABENJAMINLW 2021/06/30 CHK'D: RSTONE 2021/07/12 APPR: BWOODMAN 2021/07/14										
		mm	INCH												
	4 PLACES	±----	±----												
	3 PLACES	±----	±----												
	2 PLACES				INITIAL REVISION: DRWN: LSTEMMLE 2010/02/01 APPR: FPACHER 2010/02/03			PRODUCT CUSTOMER DRAWING							
	1 PLACE														
	0 PLACES							DOCUMENT NUMBER			DOC TYPE/DOC PART/REVISION				
ANGULAR TOL ± ---- °							SD-120066-021			PSD	001	C			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION 		DRAWING A3-SIZE		SERIES 120066		MATERIAL NUMBER SEE CHART		CUSTOMER GENERAL MARKET		SHEET NUMBER 1 OF 1	

12	11	10	9	8	7	6	5	4	3	2	1
PART NO	ENGINEERING NO.	FINISHED LENGTH	(B)								
1200661047	885031K03M020	2M [6FT 7 IN]									
1200661048	885031K03M030	3M [9FT 10 IN]									
1200668732	885031K03M100	10M [32FT 9 IN]									

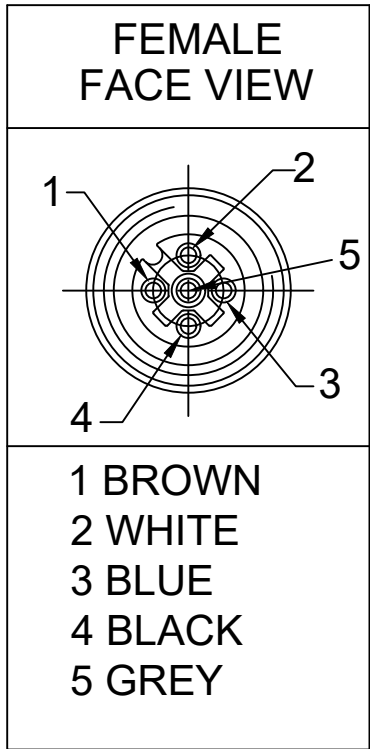


NOTES:

1. MATERIAL: AS NOTED
2. FINISH: AS NOTED
3. ELECTRICAL:
VOLTAGE: 250V
CURRENT: 4A
4. TEMP RATING: -20°TO +105°C (B)
5. PROTECTION: IP67 (WHEN MATED)
6. COUPLING THREAD: M12X1
7. UL RECOGNIZED FILE: E152210
CSA CERTIFIED FILE: LR6837 (B)
8. ALL DIMENSIONS ARE FOR REFERENCE
UNLESS TOLERANCED OR NOTED OTHERWISE



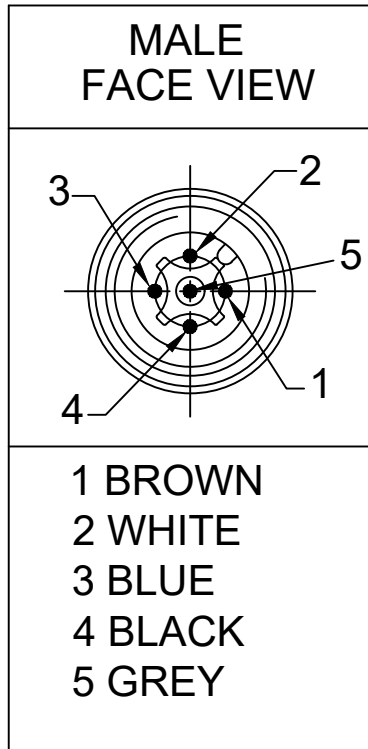
WIRING DIAGRAM



PART NO. MATRIX
885031K03M006

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

WIRING DIAGRAM



MECHANICAL CHARACTERISTICS: (B)

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

9	LABEL	VINYL	BLACK/YELLOW	(B)
8	GASKET	VITON	RED	(B)
7	COUPLER	BRASS	NICKEL/TEFLON	(B)
6	CONTACT SOCKET	COPPER ALLOY	Au OVER Ni	(B)
5	INSERT (FEMALE)	TPU	BLACK	(B)
4	CONTACT PIN	COPPER ALLOY	Au OVER Ni	(B)
3	INSERT (MALE)	PUR	BLACK	(B)
2	OVERMOLD	TPC	YELLOW	(B)
1	CABLE #18/5 AWG	TPE	YELLOW	(B)
ITEM	DESCRIPTION	MATERIAL	FINISH	

(B)			
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: UPDATED ITEM# 2, 5 & TEMP RATING. ADD GASKET, MECHANICAL CHART, UL, CSA, CABLE DIA & TOL CHART. MODIFIED PN CHART			molex						
	INCH/MM		NTS											
	GENERAL TOLERANCES (UNLESS SPECIFIED)				MICRO-CHANGE CORDSET, M12, 5 POLE, FEMALE 90/MA STR, SINGLE KEY, #18 AWG HI-FLEX									
	4 PLACES ± ----		mm ± ----		INCH ± ----		EC NO: 666551 DRWN: ABENJAMINLW 2021/03/01 CHK'D: RSTONE 2021/06/10 APPR: BWOODMAN 2021/06/23							
	3 PLACES ± ----		± ----		± ----									
	2 PLACES ± ----		± ----		± ----		PRODUCT CUSTOMER DRAWING							
	1 PLACE ± ----		± ----		± ----									
	0 PLACES ± ----		± ----		± ----		DOCUMENT NUMBER SD-120066-055							
ANGULAR TOL ± ---- °		APPR: BWOODMAN 2013/12/12		INITIAL REVISION: DRWN: GGUSTAFS 2013/10/30										
DIVISIONAL SYMBOLS	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
					C-SIZE		120066		SEE CHART		GENERAL MARKET		1 OF 1	