

ENGINEERING NO. - NUMERICAL CODE (Available parts see PART LIST table. Others on request).

80X007XXXXXX

80=M12x1
Single ended

Contacts:
3=3 Contacts
4=4 Contacts
5=5 Contacts
8=8 Contacts

Heads style:
007=Plug Male
90° Angled

Cable type: See Table

Units:
M=Meter

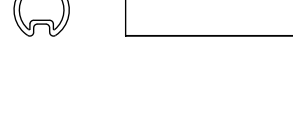
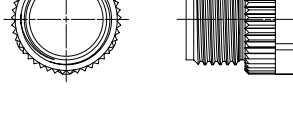
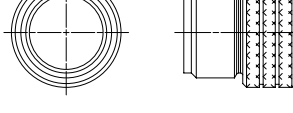
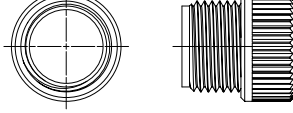
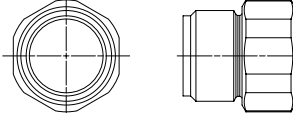
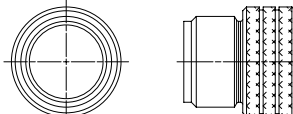
Length
Examples:
005=0.5 unit
010=1 unit
100=10 units

Overmold color:
Blank (Standard)=Black
A=Grey / G=Black / Y=Yellow

Coupling Nut:
Blank (Standard) & 3=Knurled Brass Ni Plated
1=Hexagonal Stainless steel
5=Knurled Derlin
7=Knurled Brass Ni Plated, Teflon Coated
9=Knurled / Hexagonal Brass Ni Plated

H= 2 pcs. of I/D Carrier PVC Transparent

COUPLING NUTS



CABLE INFORMATION (for more information see Cable Data Sheet).

CABLE TYPE	NO. OF WIRES	CROSS SECTION	CABLE JACKET	UL	CSA	STATIC: TEMP. / BENDING RADIUS	DYNAMIC: TEMP. / BENDING RADIUS	DRAG CHAIN	SHIELD
E02	8	0.25mm²	PVC BLACK	UL 2464/1729	C22.2 I/II A/B 80°C/300V	-30°C to +80°C, 10xO.D.	-10°C to +80°C, 15xO.D.	-	-
E03	3 / 4 / 5	0.34mm²	PVC BLACK	UL 2464/1729	C22.2 I/II A/B 80°C/300V	-30°C to +80°C, 10xO.D.	-10°C to +80°C, 15xO.D.	-	-
H08	8	0.25mm²	PUR BLACK LS0H	UL 21198/10493	C22.2 I/II A/B 80°C/300V	-40°C to +80°C, 5xO.D.	-25°C to +80°C, 10xO.D.	2 000 000 cycles at 20°C, Temp. range +5°C to +60°C	-
H09	3 / 4 / 5	0.34mm²	PUR BLACK LS0H	UL 21198/10493	C22.2 I/II A/B 80°C/300V	-40°C to +80°C, 5xO.D.	-25°C to +80°C, 10xO.D.	2 000 000 cycles at 20°C, Temp. range +5°C to +60°C	-
P02	8	0.25mm²	PUR / PVC BLACK	-	-	-30°C to +80°C, 7xO.D.	-5°C to +80°C, 15xO.D.	-	-
P03	3 / 4 / 5	0.34mm²	PUR / PVC BLACK	-	-	-30°C to +80°C, 7xO.D.	-5°C to +80°C, 15xO.D.	-	-
E13	3	18AWG	PVC YELLOW	UL 2661/1731	I/II A/B 80°C/300V	-	-	-	-
E52	4	0.34mm²	PVC GREY	-	-	-30°C to +70°C	-5°C to +70°C	-	-
H69	4	0.20mm²	PUR GREY LS0H	-	-	-	-	-	-
I03	3 / 4 / 5	0.34mm²	PVC CEI GREY	-	-	-30°C to +70°C	-5°C to +70°C	-	-
K03	4 / 5	0.34mm²	TPE YELLOW	-	I/II A/B 90°C/300V	-40°C to +105°C	-	-	-
K05	3 / 4 / 5	0.34mm²	TPE YELLOW	UL ITC E195601 or PLC	I/II A/B 90°C/300V	-	-	-	-
P12	5	0.50mm²	PUR BLACK	-	-	-30°C to +90°C	-5°C to +90°C	-	-
P82	4	0.34mm²	PUR IRR ORANGE	-	-	-50°C to +105°C, 5xO.D.	-40°C to +105°C, 7.5xO.D.	-	-
I02	8	0.25mm²	PVC GREY	-	-	-	-	-	-
S20	3 / 4	0.34mm²	PVC YELLOW	UL 2661/1731	C22.2 II A 105°C/300V	-30°C to +105°C	-	-	YES

FORMAT: m...
REVISION: 11
DATE: 2021/05/01

FUNCTIONAL SYMBOLS

 = 0

 = 0

 = 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

mm

SCALE

1:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL

± 1.0 °

4 PLACES

±

3 PLACES

±

2 PLACES

± 0.05

1 PLACE

± 0.3

0 PLACES

± 0.5

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

THIRD ANGLE PROJECTION

DRAWING

SERIES

MATERIAL NUMBER

CUSTOMER

SHEET NUMBER

CURRENT REV DESC: PN AND CABLE TAKEN FROM DRAWING 1200658327, LAYOUT REVISED

EC NO: 822575

DRWN: RSCHIEBER

CHK'D: RSILLER

APPR: RSILLER

INITIAL REVISION:

DRWN: JMARSZALEK

APPR: RSILLER

2025/05/12

2025/05/20

2025/05/20

2016/01/14

2016/04/08

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER

DOC TYPE

DOC PART

REVISION

1200659138

PSD

000

A9

SEE SHEET 3

GENERAL MARKET

2 OF 4

DOCUMENT STATUS	P1	RELEASE DATE	2025/05/20	07:26:54
-----------------	----	--------------	------------	----------

	10	9	8	7	6	5	4	3	2	1	
	PART LIST										
F	MOLEX P/N			ENGINEERING No.			L [mm]				F
	3P CABLE E03										
	1200658567	803007E03M010	1000								
	1200060273	803007E03M020	2000								
	1200658568	803007E03M030	3000								
	1200658569	803007E03M040	4000								
	1200060275	803007E03M050	5000								
	1200658506	803007E03M100	10000								
E	4P CABLE E03										E
	1200657169	804007E03M003	300								
	1200062638	804007E03M006	600								
	1200060582	804007E03M010	1000								
	1200062680	804007E03M0101	1000								
	1200657170	804007E03M015	1500								
	1200061975	804007E03M020	2000								
	1200062681	804007E03M0201	2000								
	1200060583	804007E03M030	3000								
	1200658572	804007E03M040	4000								
	1200060584	804007E03M050	5000								
	1200062682	804007E03M0501	5000								
	1200658515	804007E03M0501H	5000								
D	1200659081	804007E03M050Y	5000								D
	1200657171	804007E03M060	6000								
	1200657172	804007E03M080	8000								
	1200062238	804007E03M100	10000								
	1200063575	804007E03M1001	10000								
	1200658516	804007E03M1001H	10000								
	1200657173	804007E03M120	12000								
	1200657174	804007E03M150	15000								
	1200063576	804007E03M1501	15000								
C	1200064280	804007E03M200	20000								C
	1200063656	804007E03M2001	20000								
	1200657325	804007									

MOLEX P/N	ENGINEERING No.	L [mm]
5P CABLE P03		
1200060697	805007P03M020	2000
1200060699	805007P03M040	4000
1200658186	805007P03M050	5000
1200659249	805007P03M050Y	5000
1200652149	805007P03M060	6000
1200655006	805007P03M100	10000
1200659151	805007P03M150	15000
1200659231	805007P03M200	20000
5P CABLE P12		
1200658521	805007P12M006	600
1200062304	805007P12M015	1500
1200658522	805007P12M020	2000
1200659204	805007P12M050	5000
4P CABLE P82		
1200658005	804007P82M0107	1000
1200655015	804007P82M0507	5000
1200655016	804007P82M1007	10000
1200655017	804007P82M2007	20000
3P CABLE I03		
1200658596	803007I03M010	1000
1200658597	803007I03M040	4000
1200658598	803007I03M100	10000
4P CABLE I03		
1200658602	804007I03M010	1000
1200060589	804007I03M020	2000
1200658603	804007I03M030	3000
1200658604	804007I03M040	4000
5P CABLE I03		
1200658327	805007I03M015	1500
1200659172	805007I03M100A	10000
4P CABLE K03		
1200651686	804007K03M005	500
1200651687	804007K03M020	2000
1200651688	804007K03M050	5000
1200651689	804007K03M060	6000
1200652026	804007K03M100	10000
5P CABLE K03		
1200659228	805007K03M010	1000

Woodhead Connectivity/Brad Harrison®

CAUTION: NOT FOR INTERRUPTING CURRENT
ATTENTION: NE PAS UTILISER POUR COUPER LE COURRANT

PHONE +48 95 7560 100
P/N:
MPN:

	VOLT	AMP	DOM	PO
---	------	-----	-----	----

MADE IN POLAND

CERTIFICATION SYMBOLS

DOCUMENT STATUS	P1	RELEASE DATE	2025/05/20	07:26:54
-----------------	----	--------------	------------	----------

PART LIST

MOLEX P/N	ENGINEERING No.	L [mm]
5P CABLE K03		
1200652159	805007K03M020	2000
1200652160	805007K03M040	4000
1200652161	805007K03M050	5000
1200652162	805007K03M060	6000
1200652163	805007K03M100	10000
1200659229	805007K03M200	20000
3P CABLE K05		
1200659209	803007K05M010	1000
1200651501	803007K05M020	2000
1200651502	803007K05M040	4000
1200651503	803007K05M050	5000
1200651504	803007K05M060	6000
1200651505	803007K05M100	10000
4P CABLE K05		
1200651690	804007K05M006	600
1200659210	804007K05M010	1000
1200651691	804007K05M020	2000
1200651692	804007K05M040	4000
1200651693	804007K05M050	5000
1200651694	804007K05M060	6000
1200651695	804007K05M100	10000
5P CABLE K05		
1200652471	805007K05M010	1000
1200652472	805007K05M020	2000
1200652473	805007K05M030	3000
1200652474	805007K05M040	4000
1200652475	805007K05M050	5000
1200652476	805007K05M060	6000
1200652477	805007K05M100	10000
1200652478	805007K05M150	15000
1200652479	805007K05M200	20000
1200652480	805007K05M300	30000
8P CABLE I02		
1200658695	808007I02M010	1000
1200658696	808007I02M020	2000
1200658697	808007I02M030	3000
1200658698	808007I02M040	4000
1200658699	808007I02M050	5000

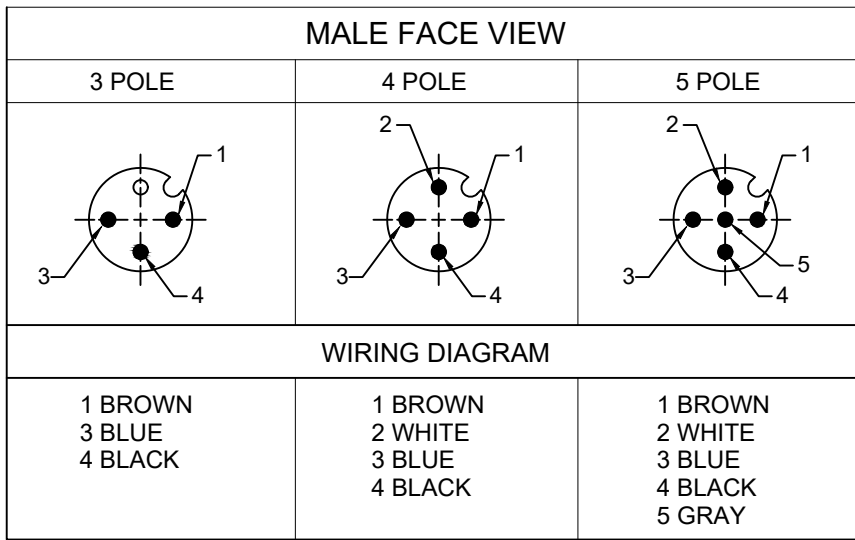
[illegible]

CABLE LENGTH TOLERANCES

OVER	UP TO AND INCLUDING	TOLERANCES
0	305mm	+19mm
305mm	915mm	+45mm
915mm	1830mm	+56mm
1830mm	3660mm	+89mm
3660mm	7320mm	+165mm
7320mm	14640mm	+317mm
14640mm	30500mm	+610mm
30500mm	>	+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: PN AND CABLE TAKEN FROM DRAWING 1200658327, LAYOUT REVISED			molex								
F A = 0	mm		5:1														
F E = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)				CSE M12 XP AC MA RA XM SE												
F E = 0	ANGULAR TOL ± 1.0 °																
DIVISIONAL SYMBOLS		4 PLACES		±													
		3 PLACES		±													
		2 PLACES		± 0.05													
		1 PLACE		± 0.3													
		0 PLACES		± 0.5													
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS					THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER		
							A3-SIZE		120065		SEE PART LIST		GENERAL MARKET		4 OF 4		
					EC NO: 822575 DRWN: RSCHIEBER 2025/05/12 CHK'D: RSILLER 2025/05/20 APPR: RSILLER 2025/05/20					PRODUCT CUSTOMER DRAWING							
					INITIAL REVISION: DRWN: JMARSZALEK 2016/01/14 APPR: RSILLER 2016/04/08					DOCUMENT NUMBER 1200659138		DOC TYPE PSD		DOC PART 000		REVISION A9	

DOCUMENT STATUS	P1	RELEASE DATE	2025/05/20	07:26:54
-----------------	----	--------------	------------	----------



- NOTES:
- 1. MATERIAL: AS NOTED
 - 2. FINISH: AS NOTED
 - 3. ELECTRICAL:
VOLTAGE: 250VAC/VDC
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

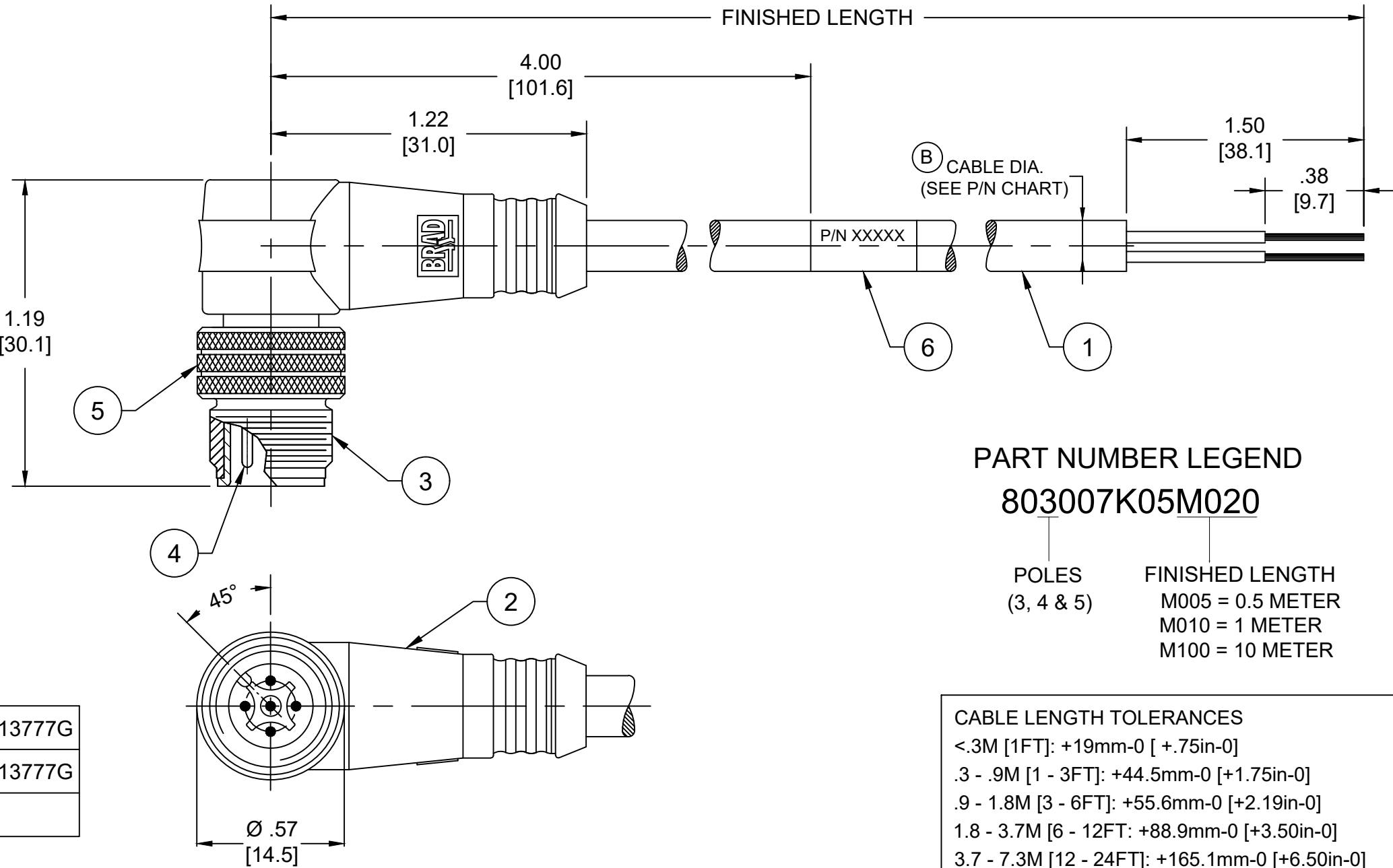
CABLE FLEX CHARACTERISTICS

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

6	WRAP LABEL	VINYL	BLACK/YELLOW
5	COUPLING NUT	BRASS	NICKEL PLATED
4	PIN CONTACT	COPPER ALLOY	GOLD OVER NICKEL
3	MALE INSERT	PUR	BLACK
2	OVERMOLD	TPC	YELLOW
1	CABLE #22/3-5	TPE JACKET	YELLOW
ITEM	DESCRIPTION	MATERIAL	FINISH

DOCUMENT STATUS | P1 | RELEASE DATE | 2022/05/04 | 21:13:40

FORMAT: ACAD-Itb-prod-A3
REVISION: 0
DATE: 2020/11/14



PART NUMBER LEGEND

803007K05M020

POLES
(3, 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 $\frac{F}{A}=0$ $\frac{F}{E}=0$ $\frac{F}{P}=0$ 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. ADDED CABLE DIA. MODIFIED MATERIAL NUMBER CHART			molex MICRO-CHANGE CORDSET, M12, 3-5 POLE, MALE 90DEG, SINGLE KEY, #22 AWG TPE HI-FLEX					
	INCH/MM		NTS										
	GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 704134 DRWN: ABENJAMINLW 2021/09/27 CHK'D: RSTONE 2022/04/27 APPR: BWOODMAN 2022/05/04			PRODUCT CUSTOMER DRAWING					
		mm	INCH										
	4 PLACES	±----	±----										
	3 PLACES	±----	±----										
	2 PLACES	±----	±----										
	1 PLACE ±----				INITIAL REVISION: DRWN: RSTONE 2018/11/01 APPR: BWOODMAN 2018/11/30			DOCUMENT NUMBER		DOC TYPE		DOC PART	REVISION
	0 PLACES ±----							SD-120065-115		PSD		001	B
ANGULAR TOL ± ---- °													
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER		SHEET NUMBER		
				A3-SIZE		120065	SEE CHART	GENERAL MARKET		1 OF 1			