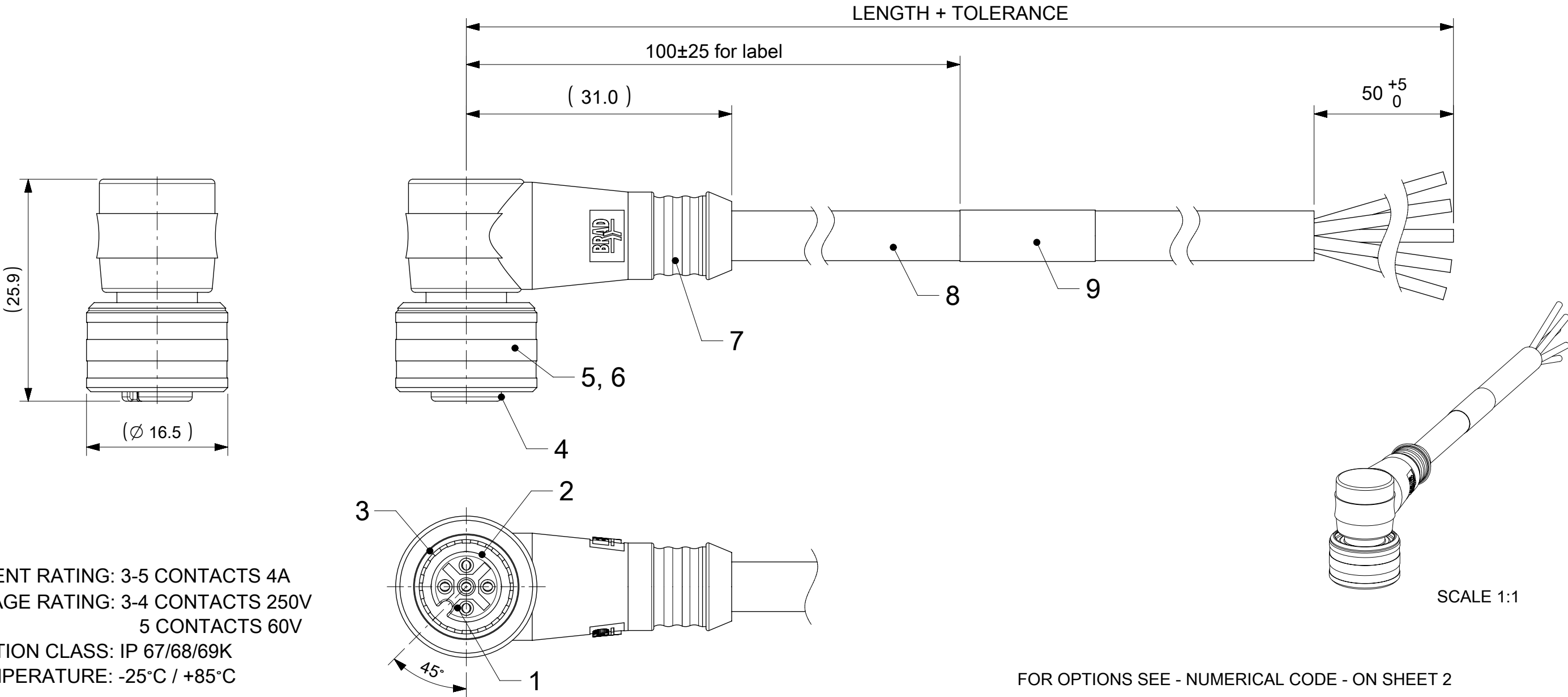


FEMALE PLUG ULTRA LOCK U12 90° ANGLED



NOTES:
CURRENT RATING: 3-5 CONTACTS 4A
VOLTAGE RATING: 3-4 CONTACTS 250V
5 CONTACTS 60V
PROTECTION CLASS: IP 67/68/69K
TEMPERATURE: -25°C / +85°C

CONTACTS POSITION FRONT VIEW:

3 CONTACTS		4 CONTACTS		5 CONTACTS	
PIN	WIRE	PIN	WIRE	PIN	WIRE
1	BROWN	1	BROWN	1	BROWN
2	---	2	WHITE	2	WHITE
3	BLUE	3	BLUE	3	BLUE
4	BLACK	4	BLACK	4	BLACK
5	---	5	---	5	GREY
CODING ACCORDING TO IEC 61076-2-101					

FOR OPTIONS SEE - NUMERICAL CODE - ON SHEET 2

9	1	LABEL YELLOW	VINYL	---
8	-	CABLE	SEE SHEET 2	---
7	-	OVERMOULD BLACK	TPU	---
6	1	SLEEVE U12 INNER	BRASS	NICKEL
5	1	SLEEVE U12 OUTER	BRASS	NICKEL
4	1	INSERT FEMALE BLACK	PUR	---
3	1	SPRING U12	V4A	---
2	1	ORING GREEN	FPM	---
1	3 / 4 / 5	CONTACT M12 FEMALE	BRONZE	SELECTIVE GOLD OVER NICKEL
ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH

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: OBSOLETE PART NUMBERS AS PER PCN#506884			molex				
mm		2:1									
GENERAL TOLERANCES (UNLESS SPECIFIED)				CSE U12 XP AC FE RA XM SE UNSH							
ANGULAR TOL ± 1.0 °											
4 PLACES		±		EC NO: 662770			PRODUCT CUSTOMER DRAWING				
3 PLACES		±		DRWN: SUGEEB 2021/02/26							
2 PLACES		± 0.05		CHK'D: GGA 2021/06/02							
1 PLACE		± 0.3		APPR: GGA 2021/06/02			DOCUMENT NUMBER 1200790281				
0 PLACES		± 0.5		INITIAL REVISION: DRWN: JMARSZALEK 2016/06/22 APPR: RSILLER 2016/06/29						DOC TYPE PSD	DOC PART 000
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION 		DRAWING A3-SIZE	SERIES 120079	MATERIAL NUMBER SEE SHEET2		CUSTOMER GENERAL MARKET	SHEET NUMBER 1 OF 2

ENGINEERING NO. - NUMERICAL CODE

(Available parts see PART LIST table. Other parts available upon request).

OPTIONS

W0X001XXXXXX

W0=U12
Ultra Lock
Single ended

Poles:
3=3 Poles
4=4 Poles
5=5 Poles

Heads style:
001=Plug Female Angled

Cable type: See Table

Units:
M=Meter

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

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

Ultra Lock Assembly:
Blank (Standard)=Brass, Ni Plated
8=Stainless steel, EPDM oring

H= 2 pcs. of I/D Carrier PVC Transparent
(Cables lxx & P82 always with
2 pcs. of I/D Carrier)



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
E03	3 / 4 / 5	0.34mm²	PVC BLACK	UL 2464/1729	C22.2 I/II A/B 80°/300V	-30°C to +80°C, 10xO.D.	-10°C to +80°C, 15xO.D.	-	-
H09	3 / 4 / 5	0.34mm²	PUR BLACK LS0H	UL 21198/10493	C22.2 I/II A/B 80°/300V	-40°C to +80°C, 5xO.D.	-25°C to +80°C, 10xO.D.	2 000 000 cycles, Temp max 60°C	-
P03	3 / 4 / 5	0.34mm²	PUR / PVC BLACK	-	-	-30°C to +80°C, 7xO.D.	-5°C to +80°C, 15xO.D.	-	-

PART LIST

No.	Molex P/N	Engineering no.	Cable Length
1	1200200003	W04001E03M005	0.5m
2	1200790269	W04001E03M020	2m
3	1200790272	W04001E03M100	10m
4	1200790281	W05001E03M020	2m
5	1200790282	W05001E03M040	4m
6	1200795042	W04001E03M050	5m
7	1200795044	W05001E03M050	5m
8	1200795071	W04001P03M040	4m
9	1200795072	W04001P03M100	10m
10	1200795073	W04001P03M060	6m
11	1200795088	W05001P03M020	2m
12	1200795089	W05001P03M040	4m
13	1200795090	W05001P03M050	5m
14	1200795091	W05001P03M060	6m
15	1200795092	W05001P03M100	10m
16	1200798007	W04001P03M050	5m
17	1200798013	W04001P03M020	2m
18	1200798040	W04001E03M010	1m
19	1200798047	W03001H09M020	2m
20	1200798048	W05001H09M020	2m

No.	Molex P/N	Engineering no.	Cable Length
21	1200798051	W04001H09M020	2m
22	1200798100	W05001H09M350	35m
23	1200798122	W05001H09M030	3m
24	1200798143	W03001E03M020	2m
25	1200798144	W03001E03M050	5m
26	1200798145	W03001E03M100	10m
27	1200798159	W05001H09M050	5m
28			
29			
30			
31			
32			
33			
34			
35			
36			
37			
38			
39			
40			

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

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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

CURRENT REV DESC: OBSOLETE PART NUMBERS AS PER PCN#506884

EC NO: 662770

DRWN: SUGEEB

CHK'D: GGA

APPR: GGA

INITIAL REVISION: DRWN: JMARSZALEK

APPR: RSILLER

2021/02/26

2021/06/02

2021/06/02

2016/06/22

2016/06/29

DOCUMENT NUMBER

1200790281

DOC TYPE

PSD

DOC PART

000

REVISION

A5

SHEET NUMBER

2 OF 2

THIRD ANGLE PROJECTION

DRAWING

A3-SIZE

SERIES

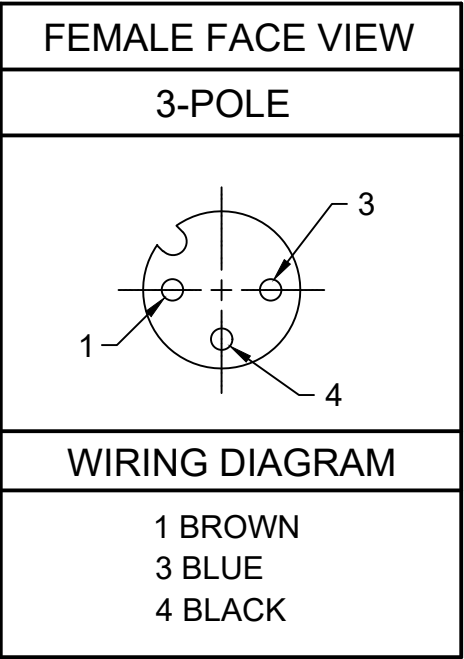
120079

MATERIAL NUMBER

SEE SHEET2

CUSTOMER

GENERAL MARKET



PART NUMBER LEGEND
W03001K05M020

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

- NOTES:
1. MATERIAL: AS NOTED
 2. FINISH: AS NOTED
 3. ELECTRICAL:
VOLTAGE: 250V
CURRENT: 4A
 4. TEMP RATING: -20°TO +105°C
 5. PROTECTION: IP67/69K (WHEN MATED)
 6. CSA CERTIFIED FILE: LR6837
 7. ALL DIMENSIONS ARE FOR REFERENCE
UNLESS TOLERANCED OR NOTED OTHERWISE

MECHANICAL CHARACTERISTICS:

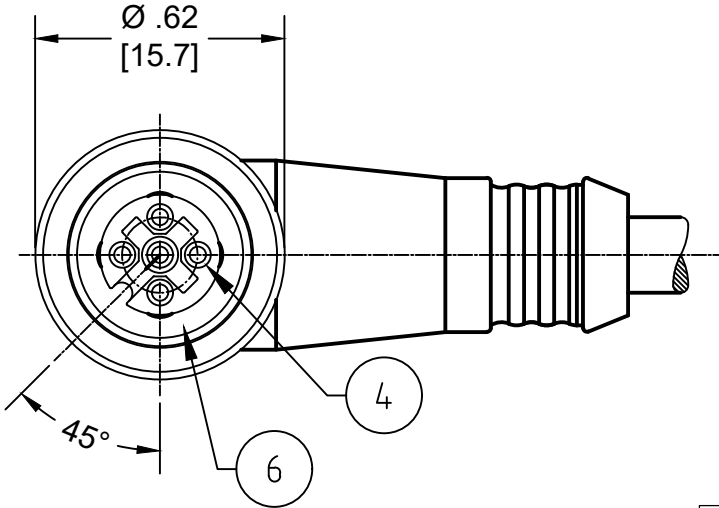
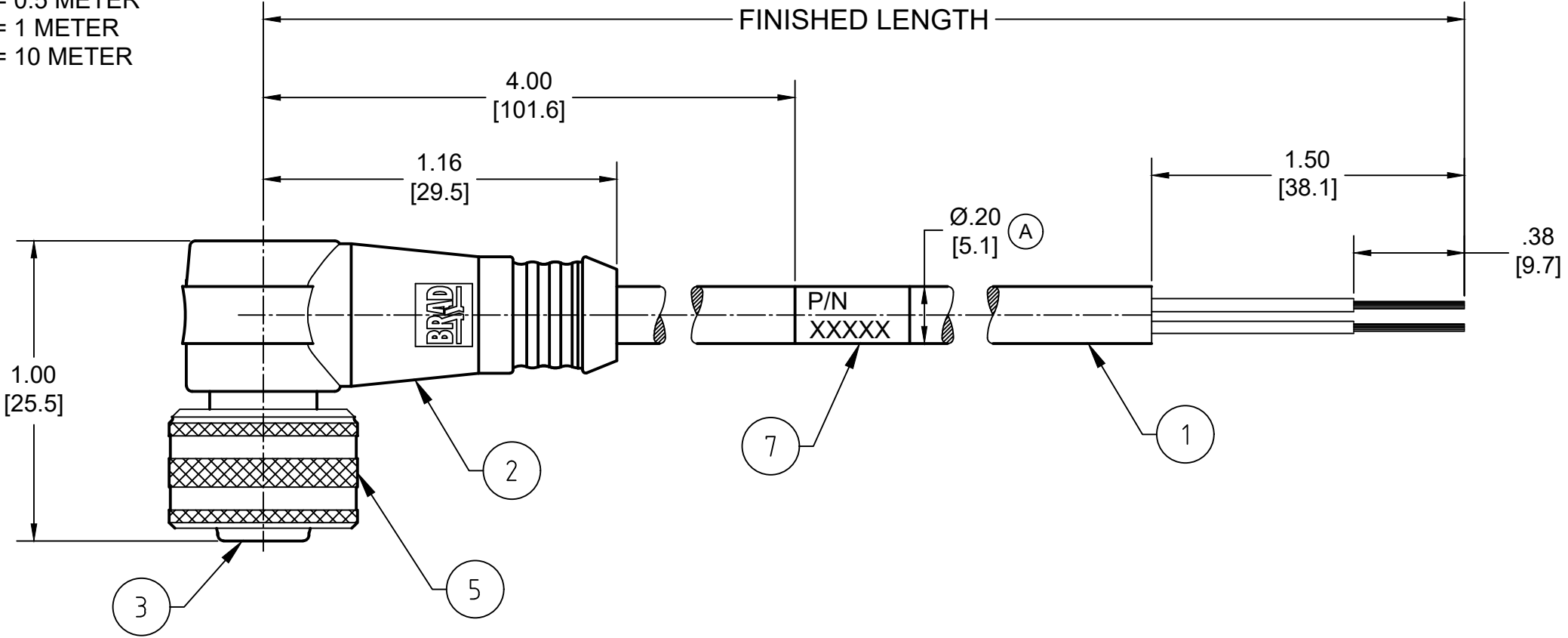
TORSIONAL FLEX TEST	10 MILLION CYCLES PER MIL-C-13777G
BEND FLEX TEST	10 MILLION CYCLES PER MIL-C-13777G
WELD SLAG RESISTANCE	WOODHEAD STANDARD S-300

7	WRAP LABEL	VINYL	BLACK/YELLOW
6	O-RING	VITON	GREEN
5	COUPLER	BRASS	NICKEL PLATED
4	CONTACT SOCKET	COPPER ALLOY	GOLD OVER NICKEL
3	INSERT	PUR	BLACK
2	OVERMOLD	TPC	YELLOW
1	#22/3 CABLE	TPE JACKET	YELLOW
ITEM	DESCRIPTION	MATERIAL	FINISH

DOCUMENT STATUS P1 RELEASE DATE 2022/04/16 16:04:46

FORMAT: ACAD-Itb-prod-A3
REVISION: 9
DATE: 2020/11/14

PART NO	ENGINEERING NO.	FINISHED LENGTH
1200790211	W03001K05M020	2M [6FT 7 IN]
1200790217	W03001K05M050	5M [16FT 5 IN]
1200790219	W03001K05M100	10M [32FT 10 IN]



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: ITEM 2 WAS TPE, #3 WAS NYLON & #7 WAS MYLAR. ADDED CSA, MECH CHARAC....CABLE DIA, PN LEGEND & TOL CHART. MODIFIED PN TABLE & FACE VIEW						
	INCH/MM		NTS								
	GENERAL TOLERANCES (UNLESS SPECIFIED)										
DIVISIONAL SYMBOLS			mm	INCH	EC NO: 702709 DRWN: ABENJAMINLW 2021/07/01 CHK'D: RSTONE 2022/04/11 APPR: BWOODMAN 2022/04/16						
	4 PLACES	±----	±----								
	3 PLACES	±----	±----								
	2 PLACES	±----	±----								
	1 PLACE	±----	±----								
DIVISIONAL SYMBOLS	0 PLACES	±----	±----	INITIAL REVISION: DRWN: LSTEMMLE 2010/02/12 APPR: FPCRHER 2010/02/15							
	ANGULAR TOL ± ---- °										
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS										
	THIRD ANGLE PROJECTION										
				DRAWING	SERIES	MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
				A3-SIZE	120079	SEE CHART		GENERAL MARKET		1 OF 1	