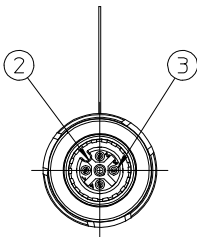
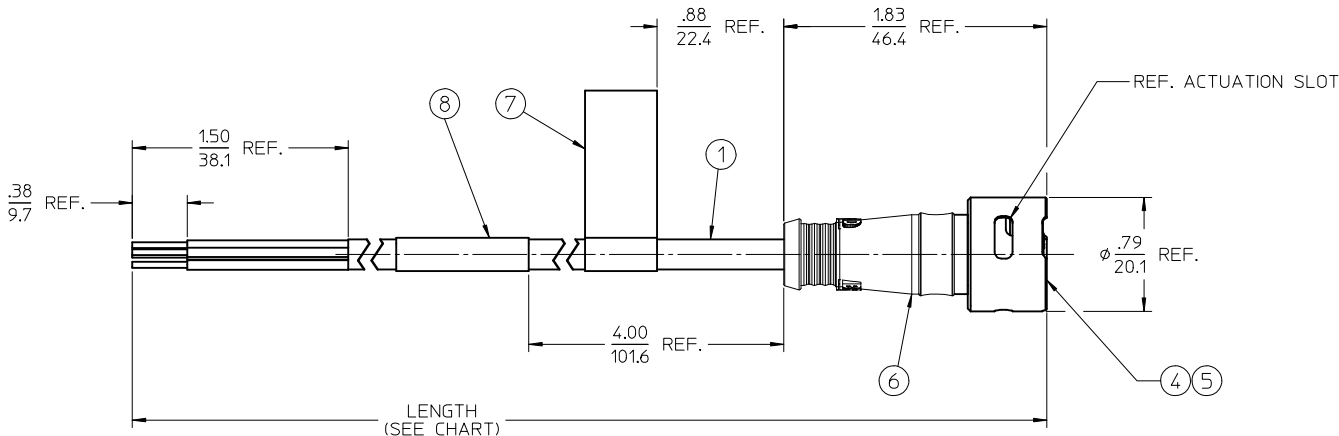
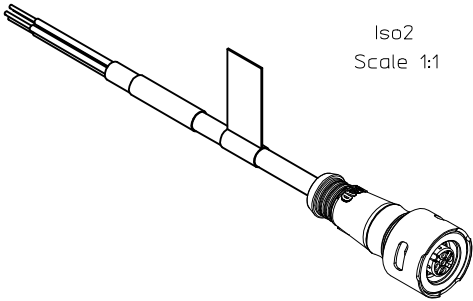


MATERIAL NO.	ENGINEERING NO.	LENGTH	POLES
1206140001	LW03000K05M020	78.7 (2M)	3
1206144002	LW05000K05M020	78.7 (2M)	5
1206140005	LW04000K05M020	78.7 (2M)	4

NOTICE: THIS PART IS CSA AND FACTORY MUTUAL APPROVED
NO CHANGES CAN BE MADE TO THE ASSEMBLY, COMPONENTS
OR SUPPLIER WITHOUT PRIOR APPROVAL FROM CSA AND
FACTORY MUTUAL.



- NOTES:
1. MATERIAL: SEE TABLE
 2. FINISHES: SEE TABLE
 3. PRODUCT SPECIFICATIONS: PS-120614-001
 4. CONTROL DOC: ES-120614-001
 5. 3 & 4 POLE ELECTRICAL SPECIFICATIONS:
VOLTAGE RATING: 125V
CURRENT RATING: 4 AMPS
 6. 5 POLE ELECTRICAL SPECIFICATIONS:
VOLTAGE RATING: 32V
CURRENT RATING: 4 AMPS

② **LW0X000K05MXXX**

SINGLE END
POLE QTY.
HEAD STYLE
CABLE TYPE
FINISHED LENGTH
REF. XXX = METERS
EXAMPLE 010= 1M

FEMALE FACE VIEW		
3 POLE	4 POLE	5 POLE
1 BROWN 2 NOT USED 3 BLUE 4 BLACK 5 NOT USED	1 BROWN 2 WHITE 3 BLUE 4 BLACK 5 NOT USED	1 BROWN 2 WHITE 3 BLUE 4 BLACK 5 GRAY

8	1	WRAP LABEL	PLASTIC FILM	BLACK/YELLOW
7	1	FLAG LABEL (WARNING)	POLYESTER	BLACK/ORANGE
6	1	OVERMOLD	TPE	YELLOW
5	1	OUTER SLEEVE	ST. STEEL	PASSIVATED
4	1	INNER SLEEVE	ST. STEEL	PASSIVATED
3	XX	CONTACT	Cu ALLOY	GOLD PLATED
2	1	INSERT	PUR	BLACK
1	1	CABLE, #22 AWG ITC/PLTC	TPE	YELLOW
ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH

ADDED P/N LEGEND	EC NO: IPG2014-0138	2013/07/23	DRWNR:STONE	2013/08/01	CHKD:B WOODMAN	2013/12/30	APPR:B WOODMAN
REV	B						

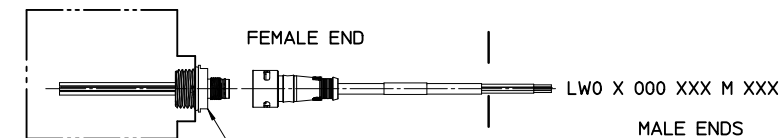
QUALITY SYMBOLS	
▽=0	
▽=0	
GENERAL TOLERANCES (UNLESS SPECIFIED)	
	mm
4 PLACES ±	---
3 PLACES ±	---
2 PLACES ±	0.01
1 PLACE ±	0.3
ANGULAR ±	2 °
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	

DIMENSION STYLE	
IN/MM	
DRAWN BY	DATE
RSTONE	2011/11/11
CHECKED BY	DATE
L.HARTMANN	2012/01/27
APPROVED BY	DATE
JFMURPHY	2012/04/18
MATERIAL NO.	
SEE CHART	
SIZE	C

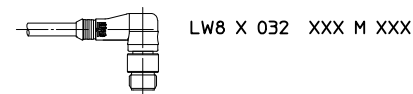
SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
1.5:1	INCH		
TITLE			
ULTRA-LOCK ZONE 2 FEMALE, STRAIGHT K05, 22 AWG, TPE			
MOLEX INCORPORATED			
DOCUMENT NO.			SHEET NO.
SD-120614-007			1 OF 1
THIS INFORMATION THAT IS PROPRIETARY TO MOLEX SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

CLASS 1, DIVISION 2, GROUP A, B, C, OR D
HAZARDOUS LOCATION

NON-HAZARDOUS LOCATION



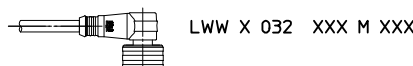
LWR X 006 A18 CXXX
(MALE 1/2" NPT)
LWR X A06 A18 CXXX
(MALE 1/4" NPT)



LW8 X 032 XXX M XXX



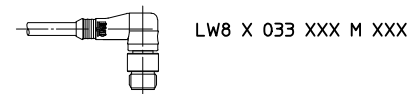
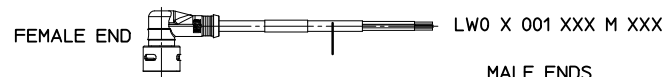
LW8 X 030 XXX M XXX



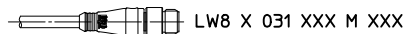
LWW X 032 XXX M XXX



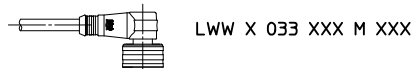
LWW X 030 XXX M XXX



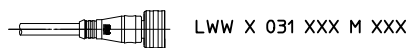
LW8 X 033 XXX M XXX



LW8 X 031 XXX M XXX



LWW X 033 XXX M XXX



LWW X 031 XXX M XXX

NOTES:

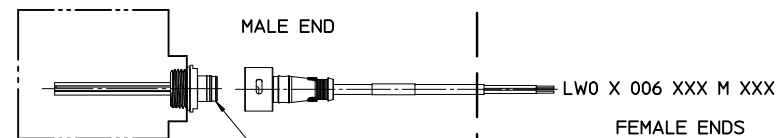
1. THE INSTALLATION MUST BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC), ANSI/NFPA 70. SPECIFIC REQUIREMENTS FOR THE INSTALLATION OF ITC RATED CABLE MAY BE FOUND IN ARTICLE 501.4(B)(1)(5) AND ARTICLE 727.4
2. THE MOLDED CONSTRUCTION OF THE CORDSET AND GAS/VAPORTIGHT CONTINUOUS SHEATH OF THE CABLE MEET THE REQUIREMENTS OF THE NEC, ARTICLE 501-5(E)(2) FOR CABLE SEALS IN CLASS 1, DIVISION 2

FIELD DEVICE APPROVAL FOR CLASS 1, DIV. 2
OR CLASS 1, ZONE2 INSTALLATIONS

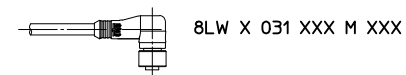
REF. SEE SHEET 3 FOR CONFIGURATION INFORMATION

CLASS 1, DIVISION 2, GROUP A, B, C, OR D
HAZARDOUS LOCATION

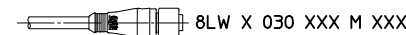
NON-HAZARDOUS LOCATION



LWR X 000 A18 CXXX
(FEMALE 1/2" NPT)
LWR X A00 A18 CXXX
(FEMALE 1/4" NPT)



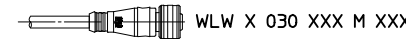
8LW X 031 XXX M XXX



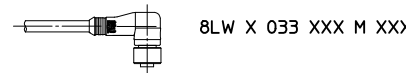
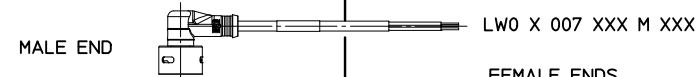
8LW X 030 XXX M XXX



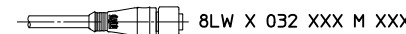
WLW X 031 XXX M XXX



WLW X 030 XXX M XXX



8LW X 033 XXX M XXX



8LW X 032 XXX M XXX



WLW X 033 XXX M XXX



WLW X 032 XXX M XXX

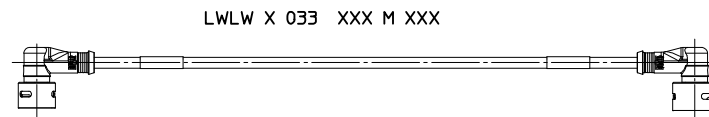
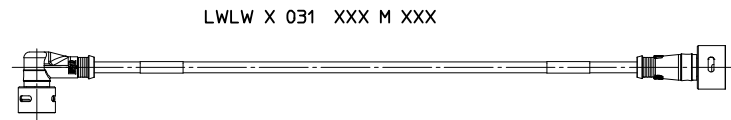
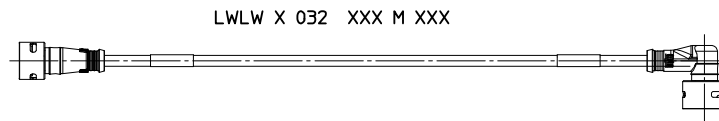
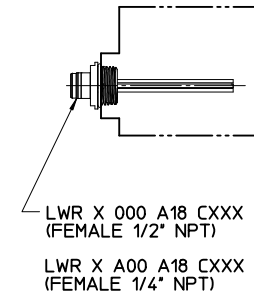
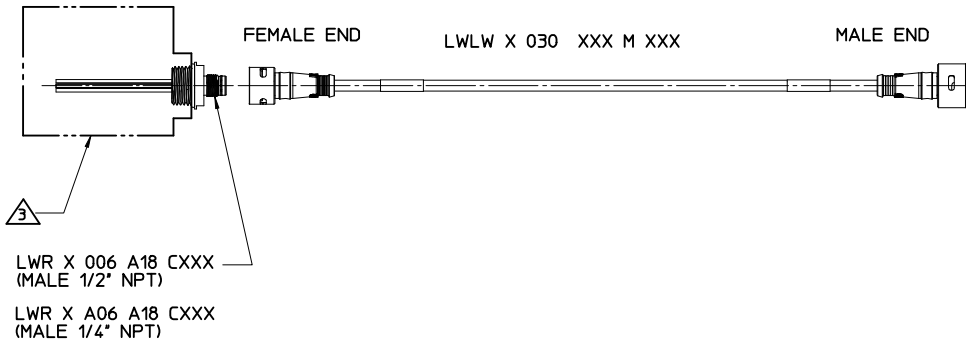
NOTICE: THIS PART IS CSA AND FACTORY MUTUAL APPROVED
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OR SUPPLIER WITHOUT PRIOR APPROVAL FROM CSA AND
FACTORY MUTUAL.

THIS DRAWING SUPERSEDES ES-120614-001 REV-B

SEE SHEET 3	EC NO: IPG2018-0141 G DRAWN: RSTONE CHKD: BWOODMAN APPR: BWOODMAN	2017/08/28 2017/08/30 2017/09/06	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE 1:1	DESIGN UNITS INCH	 THIRD ANGLE PROJECTION
							DRAWN BY DATE		TITLE		
					4 PLACES ± --- ± ---		RSTONE 2012/05/18		CONTROL DOC FOR ULTRA-LOCK ZONE 2		
					3 PLACES ± --- ± ---		CHECKED BY DATE				
					2 PLACES ± --- ± ---		K JOZWIK 2012/05/22				
					1 PLACE ± --- ± ---		APPROVED BY DATE				
							JFMURPHY 2012/08/27		MOLEX MOLEX INCORPORATED		
					ANGULAR ± ---°		MATERIAL NO.		DOCUMENT NO.		
							1206149999		SD-120614-999		
							DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SHEET NO. 1 OF 3		

CLASS 1, DIVISION 2, GROUP A, B, C, OR D
HAZARDOUS LOCATION

HAZARDOUS LOCATION



REF:

1. SEE SHEET 1 FOR NOTES
2. SEE SHEET 3 FOR CONFIGURATION INFORMATION

NOTICE: THIS PART IS CSA AND FACTORY MUTUAL APPROVED
NO CHANGES CAN BE MADE TO THE ASSEMBLY, COMPONENTS
OR SUPPLIER WITHOUT PRIOR APPROVAL FROM CSA AND
FACTORY MUTUAL.

SEE SHEET 3 EC NO: IPG2018-0141 2017/08/28 DRWN:RSTONE 2017/08/30 CHKD:WOODMAN 2017/09/06 APPR:WOODMAN	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE 1:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION			
				mm	INCH	DRAWN BY RSTONE	DATE 2012/05/18	TITLE CONTROL DOC FOR ULTRA-LOCK ZONE 2				
			4 PLACES	± ---	± ---	CHECKED BY K JOZWIK	DATE 2012/05/22					
			3 PLACES	± ---	± ---	APPROVED BY JFMURPHY	DATE 2012/08/27					
			2 PLACES	± ---	± ---	ANGULAR ± ---°		molex		MOLEX INCORPORATED		
			1 PLACE	± ---	± ---	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. 1206149999		DOCUMENT NO. SD-120614-999		SHEET NO. 2 OF 3
							SIZE C		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

M12/MICROCHANGE ULTRA-LOCK CORD CONNECTORS AND CORD SETS

LWO 3 000 C02 M 020 8
I II III IV V VI VII

I: CONNECTOR TYPE

LWO= ULTRA-LOCK ZONE 2 MALE OR FEMALE SINGLE END CORDSET
LWV= ULTRA-LOCK ZONE 2 FEMALE TO STANDARD ULTRA-LOCK MALE DOUBLE ENDED CORDSET
WLW= ULTRA-LOCK ZONE 2 MALE TO STANDARD ULTRA-LOCK FEMALE DOUBLE ENDED CORDSET
LW8= ULTRA-LOCK ZONE 2 FEMALE TO STANDARD M12 MALE DOUBLE ENDED CORDSET
8LW= ULTRA-LOCK ZONE 2 MALE TO STANDARD M12 FEMALE DOUBLE ENDED CORDSET
LWLW= ULTRA-LOCK ZONE 2 FEMALE TO ULTRA-LOCK ZONE 2 MALE DOUBLE ENDED CORDSET

II: NUMBER OF POLES: 3= 3 PIN, 4= 4 PIN, 5 = 5 PIN

III: CONFIGURATION

SINGLE ENDED:
000= STRAIGHT FEMALE CONNECTOR
001= FEMALE 90°
006= STRAIGHT MALE, EXTERNAL THREAD
007= MALE 90°

DOUBLE ENDED:

030= STRAIGHT FEMALE CONNECTOR TO STRAIGHT MALE CONNECTOR
031= FEMALE 90° TO MALE STRAIGHT
032= FEMALE STRAIGHT TO MALE 90°
033= FEMALE 90° TO MALE 90°

IV: CABLE TYPE

C02= SJ00W YELLOW, 18 AWG, DC CODE (CSA ONLY) 
K03= PLTC/ITC, 18 AWG, TPE JACKET
K05= PLTC/ITC, 22 AWG, TPE JACKET

V: UNIT OF MEASURE

F= FEET
M= METERS

VI: CABLE LENGTH (MAY BE ANY 3 DIGIT NUMBER FROM 001-100)

1ST DIGIT= 10 X LENGTH
2ND DIGIT= 1 X LENGTH
3RD DIGIT= .1 X LENGTH

VII: COUPLING NUT MATERIAL

ULTRA-LOCK ZONE 2 END(S) ARE STAINLESS STEEL

M12 OR ULTRA-LOCK:

NONE = STANDARD MATERIAL (NICKEL PLATED BRASS)
8= STAINLESS STEEL

NOTICE: THIS PART IS CSA AND FACTORY MUTUAL APPROVED
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OR SUPPLIER WITHOUT PRIOR APPROVAL FROM CSA AND
FACTORY MUTUAL.

M12/MICROCHANGE ULTRA-LOCK OUTLETS

LWR 3 A00 A18 M 020 8
I II III IV V VI VII

I: CONNECTOR TYPE

LWR= LOCKING INLETS AND OUTLETS

II: NUMBER OF POLES 3=3 PIN, 4= 4 PIN, & 5= 5 PIN

III: CONFIGURATION

SINGLE ENDED:
A00= FEMALE STRAIGHT (INT.THEAD) 1/4-18 NPT
A06= MALE STRAIGHT (EXT.THEAD) 1/4-18 NPT
000= FEMALE STRAIGHT (INT.THEAD) 1/2-14 NPT
006= MALE STRAIGHT (EXT.THEAD) 1/2-14 NPT

 IV: WIRE TYPE

A18= 22 AWG, PVC, DC COLOR CODE, UL TYPE 1061
A16= 18 AWG, PVC, DC COLOR CODE, UL TYPE 1569

V: UNIT OF MEASURE

A= INCHES
F= FEET
C= CENTIMETERS
M= METERS

VI: WIRE LENGTH (MAY BE ANY 3 DIGIT NUMBER FROM 001-100)

1ST DIGIT= 10 X LENGTH
2ND DIGIT= 1 X LENGTH
3RD DIGIT= .1 X LENGTH

VII: SHELL MATERIAL

M12 OR ULTRA-LOCK:
NONE = STANDARD MATERIAL (COPPER ZINC ALLOY)
3= NICKEL PLATED BRASS
8= STAINLESS STEEL

CORSET NOTE IV: ADD CSA OUTLET NOTE IV: REMOVE PCB PINS EC NO: IPG2018-0141 G DRWN:RSTONE CHK'D:BWODMAN APPR:BWODMAN 2017/08/28 2017/08/30 2017/09/06	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE 1:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION			
			mm	INCH	DRAWN BY	DATE	TITLE CONTROL DOC FOR ULTRA-LOCK ZONE 2					
			4 PLACES	± --- ± ---	RSTONE	2012/05/18						
			3 PLACES	± --- ± ---	CHECKED BY	DATE						
			2 PLACES	± --- ± ---	K JOZWIK	2012/05/22	MOLEX INCORPORATED					
			1 PLACE	± --- ± ---	APPROVED BY	DATE						
			ANGULAR ± ---°		JFMURPHY	2012/08/27	molex					
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.		DOCUMENT NO.		SHEET NO.			
					1206149999		SD-120614-999		3 OF 3			
					THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							