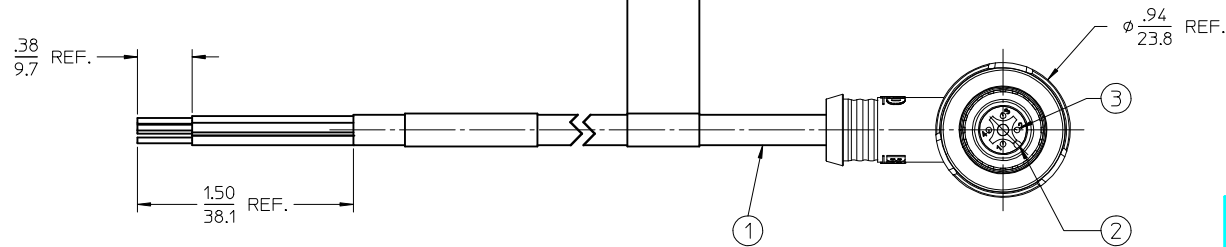
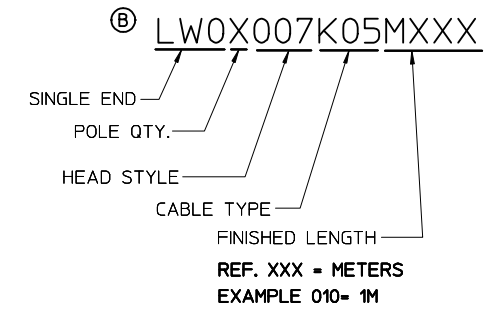
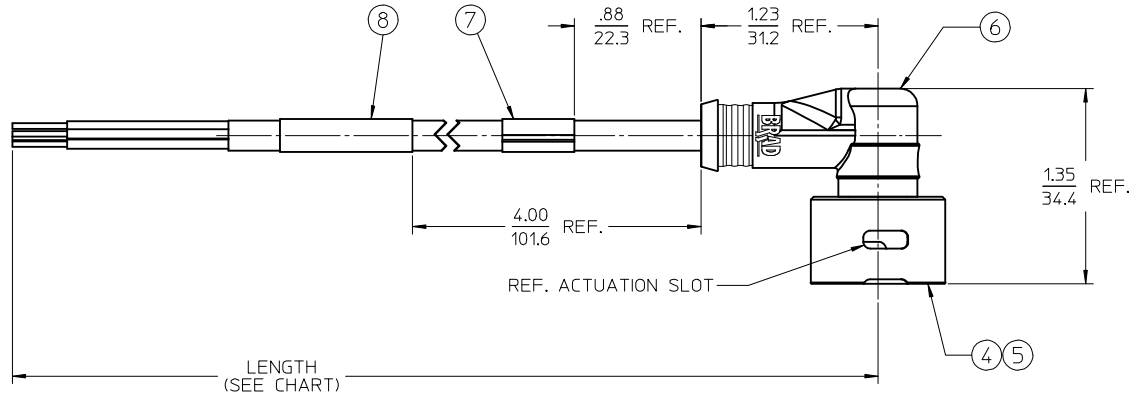
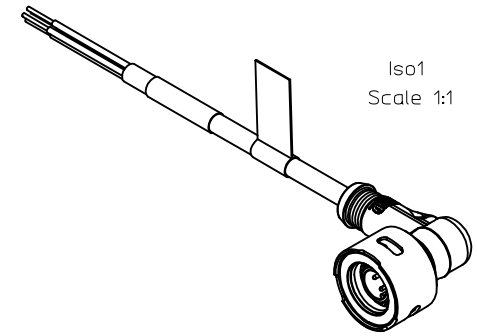
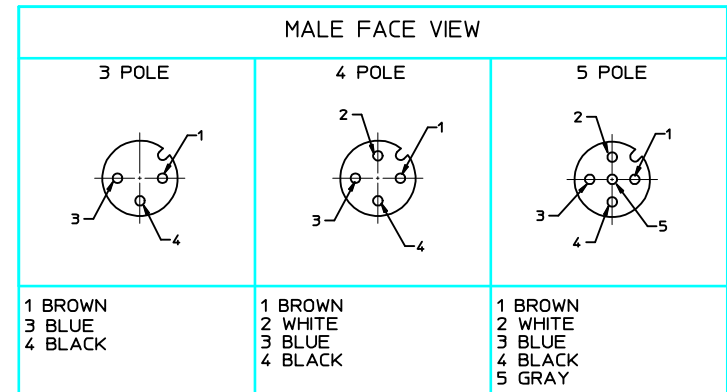


MATERIAL NO.	ENGINEERING NO.	LENGTH	POLES
1206140009	LW03007K05M020	78.7 (2M)	3
1206140010	LW04007K05M020	78.7 (2M)	4

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

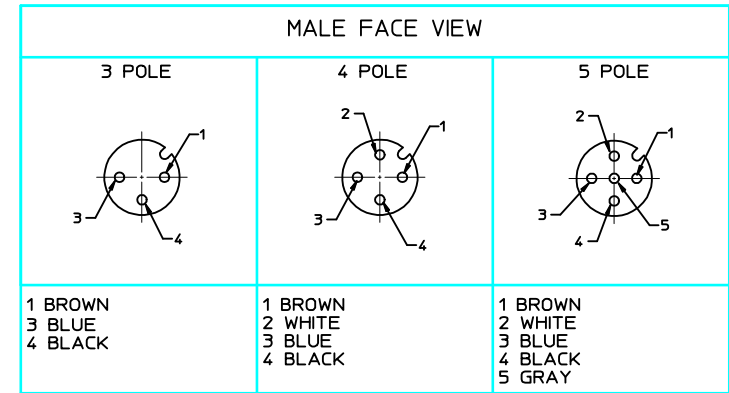
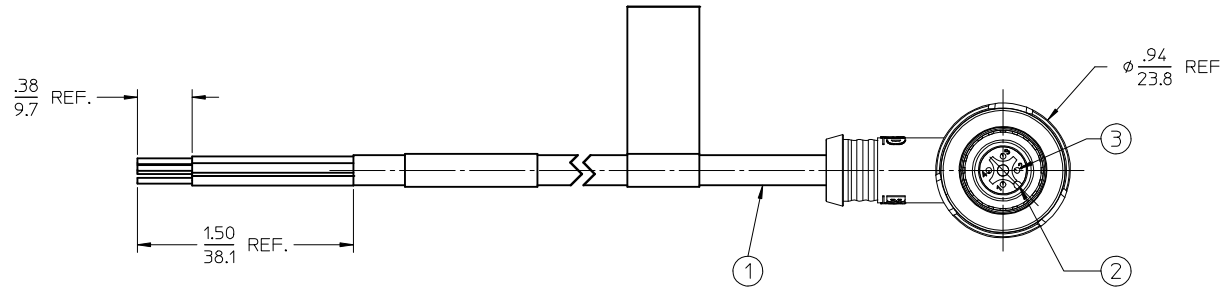
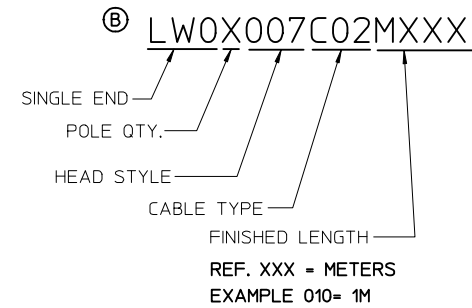
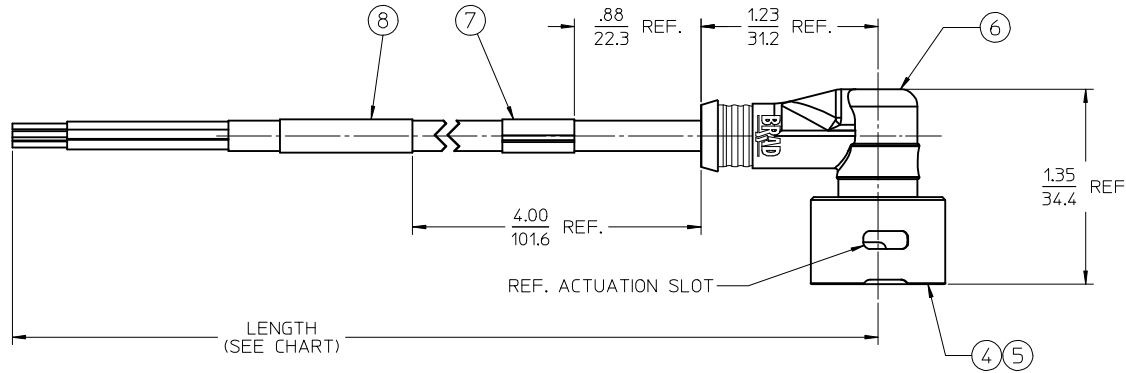
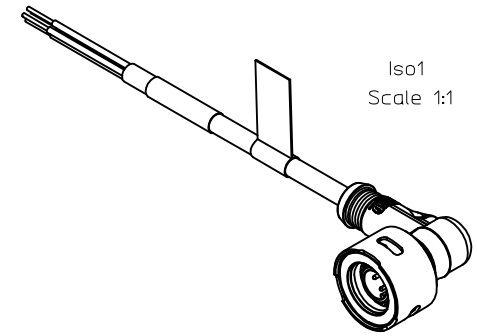


8	1	WRAP LABEL	PLASTIC FILM	BLACK/YELLOW
7	1	FLAG LABEL (WARNING)	POLYESTER	BLACK/ORANGE
6	1	OVERMOLD	TPE	YELLOW
5	1	OUTER SLEEVE	ST. STEEL	PASSIVATED
4	1	INNER SLEEVE	ST. STEEL	PASSIVATED
3	XX	CONTACT	Cu ALLOY	GOLD PLATED
2	1	INSERT	PUR	BLACK
1	1	CABLE, #22 AWG ITC/PLTC	TPE	YELLOW
ITEM	QTY.	DESCRIPTION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

<b>ADDED P/N LEGEND</b> EC NO: IPG2014-0138 DRAWN BY: DRWINSTONE 2013/07/23 CHECKED BY: CHKDH WOODMAN 2013/08/01 APPR: BWOODMAN 2013/12/30	<b>QUALITY SYMBOLS</b> ▽=0 ▽=0	<b>GENERAL TOLERANCES (UNLESS SPECIFIED)</b> <table border="1"> <thead> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> </thead> <tbody> <tr> <td>4 PLACES</td> <td>± .---</td> <td>± .---</td> </tr> <tr> <td>3 PLACES</td> <td>± .---</td> <td>± .---</td> </tr> <tr> <td>2 PLACES</td> <td>± .---</td> <td>± .01</td> </tr> <tr> <td>1 PLACE</td> <td>± 0.3</td> <td>± .---</td> </tr> </tbody> </table> ANGULAR ± 2°		mm	INCH	4 PLACES	± .---	± .---	3 PLACES	± .---	± .---	2 PLACES	± .---	± .01	1 PLACE	± 0.3	± .---	<b>DIMENSION STYLE</b> <b>MM ONLY</b>	<b>SCALE</b> 1.5:1	<b>DESIGN UNITS</b> METRIC	<b>THIRD ANGLE PROJECTION</b>
				mm	INCH																
4 PLACES	± .---	± .---																			
3 PLACES	± .---	± .---																			
2 PLACES	± .---	± .01																			
1 PLACE	± 0.3	± .---																			
<b>DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS</b>	<b>SEE CHART</b>	<b>MOLEX INCORPORATED</b> SD-120614-010	<b>SHEET NO.</b> 1 OF 1																		
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																					

MATERIAL NO.	ENGINEERING NO.	LENGTH	POLES
1206144007	LW03007C02M020	78.7 (2M)	3
1206144008	LW04007C02M020	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.



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, #18 AWG, SJ00W	NEOPRENE	YELLOW
ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH

REV	DESCRIPTION
B	

ADDED P/N LEGEND  
EC NO: IPG2014-0138  
DRAWN BY: DRWINRSTONE 2013/07/22  
CHKD BY: WOODMAN 2013/08/02  
APPR: BWOODMAN 2013/12/30

QUALITY SYMBOLS  
▽=0  
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± .005	± .0005
3 PLACES	± .005	± .0005
2 PLACES	± .01	± .001
1 PLACE	± .03	± .001

ANGULAR ± 2°

DRAFT WHERE APPLICABLE  
MUST REMAIN  
WITHIN DIMENSIONS

DIMENSION STYLE  
MM ONLY

SCALE  
1.5:1

DESIGN UNITS  
METRIC

THIRD ANGLE PROJECTION

DRAWN BY: RSTONE DATE: 2011/11/21  
CHECKED BY: L. HARTMANN DATE: 2012/01/27  
APPROVED BY: JFMURPHY DATE: 2012/04/18

MATERIAL NO.  
SEE CHART

SIZE  
C

MOLEX INCORPORATED

ULTRA-LOCK ZONE 2  
MALE, 90 DEGREE  
C02, 18 AWG, SJ00W

DOCUMENT NO.  
SD-120614-018

SHEET NO.  
1 OF 1

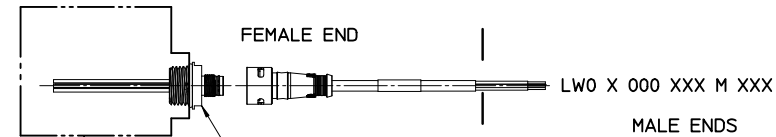
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX  
INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

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

NON-HAZARDOUS LOCATION

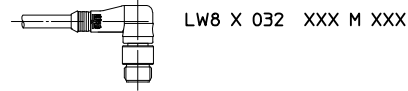
CLASS 1, DIVISION 2, GROUP A, B, C, OR D  
HAZARDOUS LOCATION

NON-HAZARDOUS LOCATION

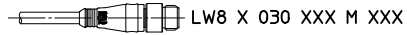


LWR X 006 A18 CXXX  
(MALE 1/2" NPT)  
LWR X A06 A18 CXXX  
(MALE 1/4" NPT)

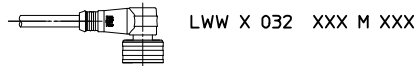
LW0 X 000 XXX M XXX  
MALE ENDS



LW8 X 032 XXX M XXX



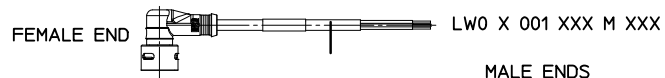
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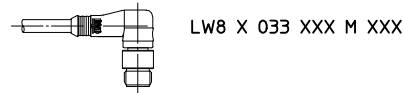
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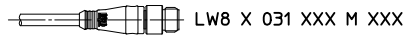
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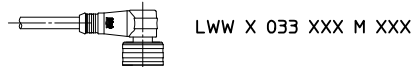
LW0 X 001 XXX M XXX  
MALE ENDS



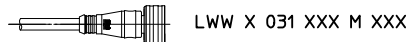
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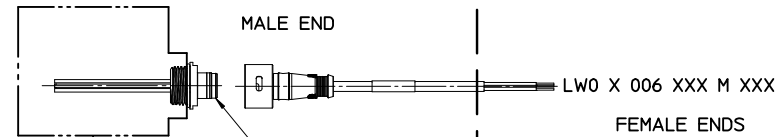
LW8 X 031 XXX M XXX



LWW X 033 XXX M XXX

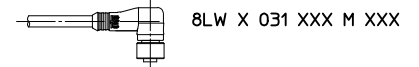


LWW X 031 XXX M XXX

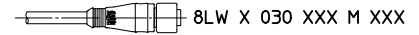


LWR X 000 A18 CXXX  
(FEMALE 1/2" NPT)  
LWR X A00 A18 CXXX  
(FEMALE 1/4" NPT)

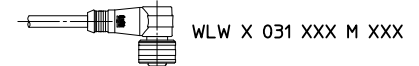
LW0 X 006 XXX M XXX  
FEMALE ENDS



8LW X 031 XXX M XXX



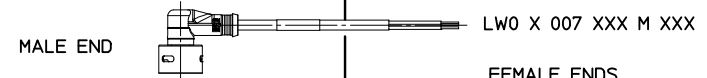
8LW X 030 XXX M XXX



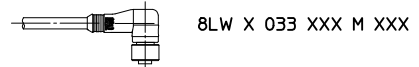
WLW X 031 XXX M XXX



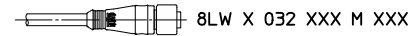
WLW X 030 XXX M XXX



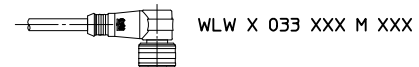
LW0 X 007 XXX M XXX  
FEMALE ENDS



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.

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

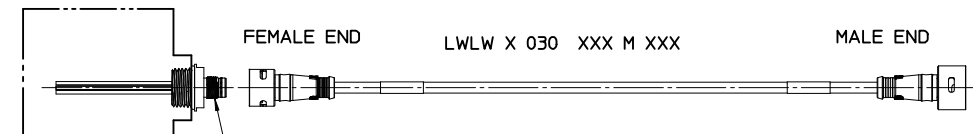
REF. SEE SHEET 3 FOR CONFIGURATION INFORMATION

THIS DRAWING SUPERSEDES ES-120614-001 REV-B

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

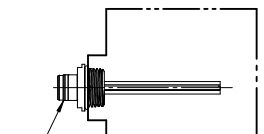
CLASS 1, DIVISION 2, GROUP A, B, C, OR D  
HAZARDOUS LOCATION

HAZARDOUS LOCATION



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

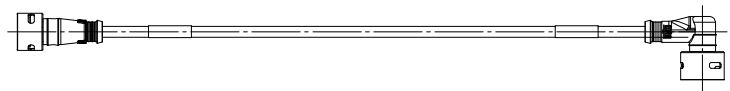
LWR X A06 A18 CXXX  
(MALE 1/4" NPT)



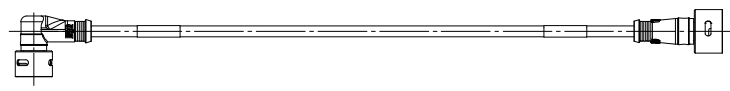
LWR X 000 A18 CXXX  
(FEMALE 1/2" NPT)

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

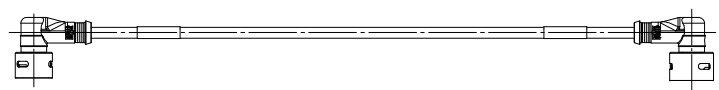
LWLW X 032 XXX M XXX



LWLW X 031 XXX M XXX



LWLW X 033 XXX M XXX



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: JFG2018-0141 2017/08/28 DRAWNR:STONE 2017/08/30 CHKD:WOODMAN 2017/09/06 APPR:WOODMAN	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM	SCALE 1:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION
		4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± --- ± --- 1 PLACE ± --- ± ---	mm INCH ± --- ± --- ± --- ± --- ± --- ± --- ± --- ± ---	DRAWN BY RSTONE	DATE 2012/05/18	TITLE CONTROL DOC FOR ULTRA-LOCK ZONE 2	
REV	DESCRIPTION	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		APPROVED BY JFMURPHY	DATE 2012/08/27	MOLEX INCORPORATED	
		MATERIAL NO. 1206149999		DOCUMENT NO. SD-120614-999		SHEET NO. 2 OF 3	
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
- LWW= 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) **G**
- 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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 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

**G** 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

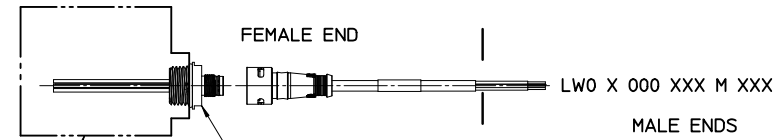
CORSET NOTE IV: ADD CSA OUTLET NOTE IV: REMOVE PCB PINS EC NO: IPGZ018-0141 DR: DRWHRSTONE 2017/08/28 CHKD: BWOODMAN 2017/08/30 APPR: BWOODMAN 2017/09/06	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ±--- ±--- 3 PLACES ±--- ±--- 2 PLACES ±--- ±--- 1 PLACE ±--- ±--- ANGULAR ±---°	DIMENSION STYLE IN/MM DRAWN BY DATE RSTONE 2012/05/18 CHECKED BY DATE K JOZWIK 2012/05/22 APPROVED BY DATE JFMURPHY 2012/08/27	SCALE 1:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION ☉	CONTROL DOC FOR ULTRA-LOCK ZONE 2
	MOLEX INCORPORATED						
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			MATERIAL NO. 1206149999	DOCUMENT NO. SD-120614-999		SHEET NO. 3 OF 3
	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

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

NON-HAZARDOUS LOCATION

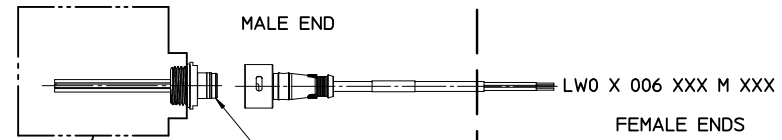
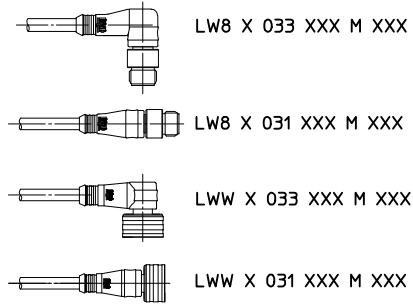
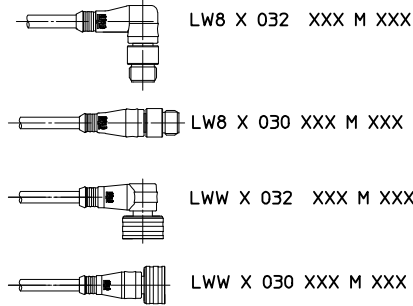
CLASS 1, DIVISION 2, GROUP A, B, C, OR D  
HAZARDOUS LOCATION

NON-HAZARDOUS LOCATION



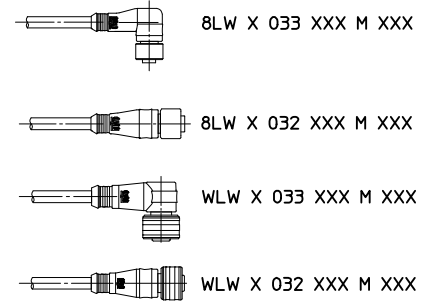
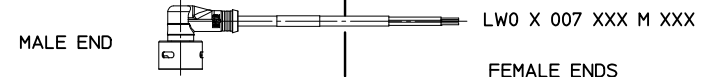
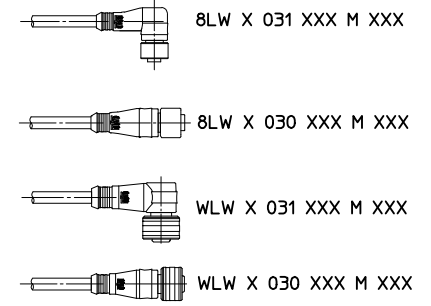
LWR X 006 A18 CXXX  
(MALE 1/2" NPT)  
LWR X A06 A18 CXXX  
(MALE 1/4" NPT)

LW0 X 000 XXX M XXX  
MALE ENDS



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

LW0 X 006 XXX M XXX  
FEMALE ENDS



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. 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

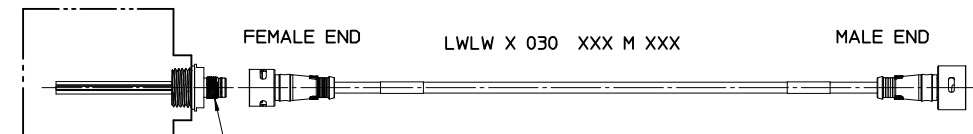
REF. SEE SHEET 3 FOR CONFIGURATION INFORMATION

THIS DRAWING SUPERSEDES ES-120614-001 REV-B

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

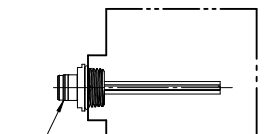
CLASS 1, DIVISION 2, GROUP A, B, C, OR D  
HAZARDOUS LOCATION

HAZARDOUS LOCATION



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

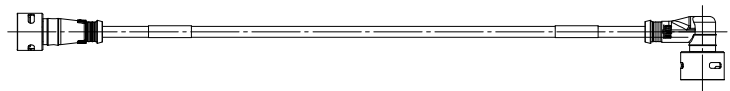
LWR X A06 A18 CXXX  
(MALE 1/4" NPT)



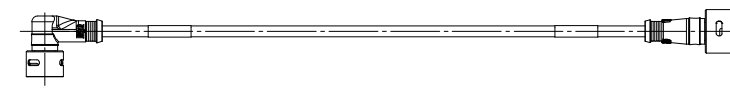
LWR X 000 A18 CXXX  
(FEMALE 1/2" NPT)

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

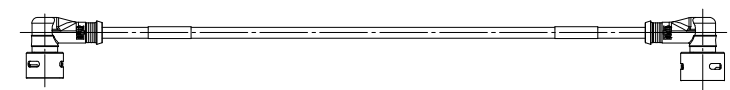
LWLW X 032 XXX M XXX



LWLW X 031 XXX M XXX



LWLW X 033 XXX M XXX



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: JFG2018-0141 2017/08/28 DRAWNR:STONE 2017/08/30 CHKD:WOODMAN 2017/09/06 APPR:WOODMAN	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE 1:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION		
		4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± --- ± --- 1 PLACE ± --- ± ---	mm INCH ± --- ± --- ± --- ± --- ± --- ± --- ± --- ± ---	DRAWN BY RSTONE	DATE 2012/05/18	TITLE CONTROL DOC FOR ULTRA-LOCK ZONE 2		MOLEX INCORPORATED		
REV	DESCRIPTION	MATERIAL NO. 1206149999		APPROVED BY JFMURPHY		DATE 2012/08/27		DOCUMENT NO. SD-120614-999		SHEET NO. 2 OF 3
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		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
- LWW= 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) **G**
- 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

**G** 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: IPGZ018-0141 DR: MHRSTONE 2017/08/28 CHKD: BWOODMAN 2017/08/30 APPR: BWOODMAN 2017/09/06	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ±--- ±--- 3 PLACES ±--- ±--- 2 PLACES ±--- ±--- 1 PLACE ±--- ±--- ANGULAR ±---°	DIMENSION STYLE IN/MM DRAWN BY DATE RSTONE 2012/05/18 CHECKED BY DATE K JOZWIK 2012/05/22 APPROVED BY DATE JFMURPHY 2012/08/27	SCALE 1:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION ☉	CONTROL DOC FOR ULTRA-LOCK ZONE 2
	MOLEX INCORPORATED						
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			MATERIAL NO. 1206149999	DOCUMENT NO. SD-120614-999		SHEET NO. 3 OF 3
	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						