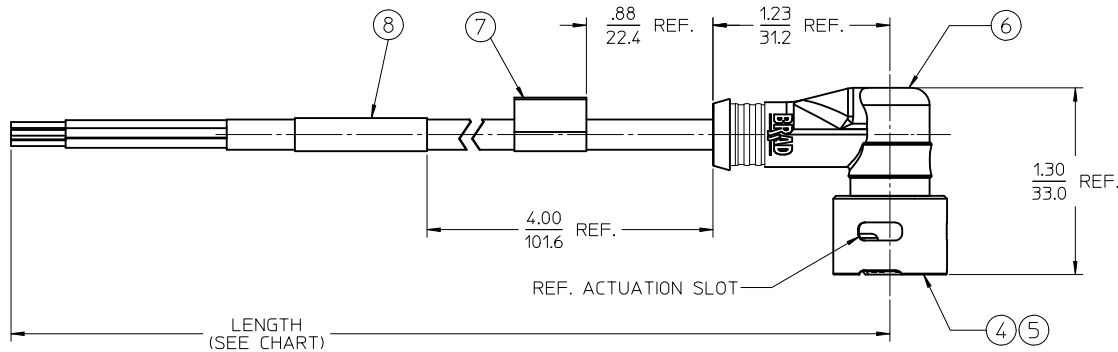
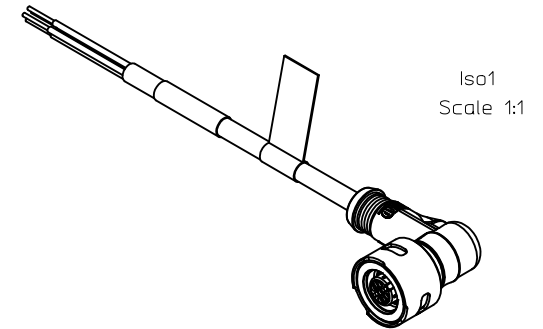
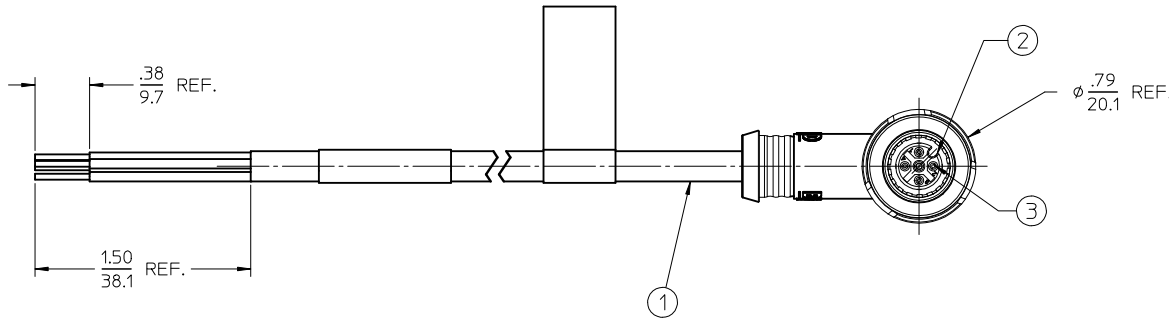


MATERIAL NO.	ENGINEERING NO.	LENGTH	POLES
1206142005	LW04001K03M020	78.7 (2M)	4
1206142006	LW05001K03M020	78.7 (2M)	5

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



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, #18 AWG ITC/PLTC	TPE	YELLOW
ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH

RELEASED	EC NO: WNA2012-0225	2011/11/21	DRWNRSTONE	2012/01/27	CHKDL .HARTMANN	2012/04/18	APPR: JFMURPHY
A							
REV	DESCRIPTION						QUALITY SYMBOL
							▽=0
							▽C=0

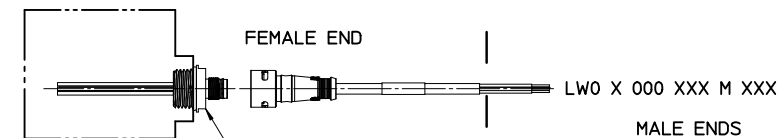
GENERAL TOLERANCES (UNLESS SPECIFIED)
4 PLACES ± --- ± ---
3 PLACES ± --- ± ---
2 PLACES ± --- ± .01
1 PLACE ± 0.3 ± ---
ANGULAR ± 2 °
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE	SCALE	DESIGN UNITS
IN/MM	1.5:1	INCH
DRAWN BY	DATE	TITLE
RSTONE	2011/11/21	ULTRA-LOCK ZONE 2
CHECKED BY	DATE	FEMALE 90 DEGREE
L. HARTMANN	2012/01/27	K03, 18 AWG, TPE
APPROVED BY	DATE	
JFMURPHY	2012/04/18	
MATERIAL NO.	DOCUMENT NO.	
SEE CHART	SD-120614-012	
SIZE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	

THIRD ANGLE PROJECTION	
MOLEX INCORPORATED	
SHEET NO.	1 OF 1

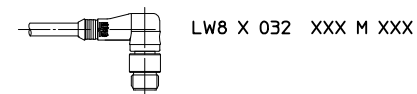
CLASS 1, DIVISION 2, GROUP A, B, C, OR D

HAZARDOUS LOCATION

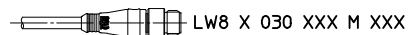


LWR X 006 A18 CXXX
(MALE 1/2" NPT)
LWR X A06 A18 CXXX
(MALE 1/4" NPT)

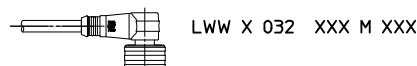
NON-HAZARDOUS LOCATION



LW8 X 032 XXX M XXX



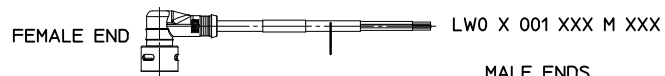
LW8 X 030 XXX M XXX



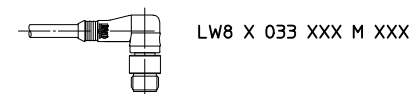
LWW X 032 XXX M XXX



LWW X 030 XXX M XXX



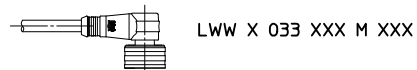
MALE ENDS



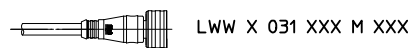
LW8 X 033 XXX M XXX



LW8 X 031 XXX M XXX



LWW X 033 XXX M XXX



LWW X 031 XXX M XXX

NOTES:

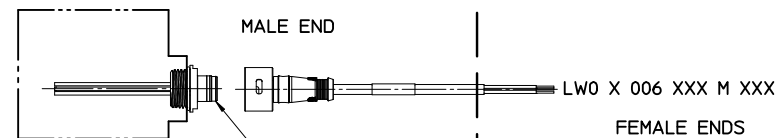
1. THE INSTALLATION MUST BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC), ANSI/NFPA 70. SPECIFIC REQUIREMENTS FOR THE INSTALLATION OF ITC RATED CABLE MAY BE FOUND IN ARTICLE 501.4(B)(1)(5) AND ARTICLE 727.4
2. THE MOLDED CONSTRUCTION OF THE CORDSET AND GAS/VAPORTIGHT CONTINUOUS SHEATH OF THE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

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

NOTICE: THIS PART IS CSA AND FACTORY MUTUAL APPROVED
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FACTORY MUTUAL.

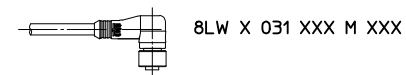
CLASS 1, DIVISION 2, GROUP A, B, C, OR D

HAZARDOUS LOCATION

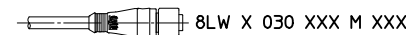


LWR X 000 A18 CXXX
(FEMALE 1/2" NPT)
LWR X A00 A18 CXXX
(FEMALE 1/4" NPT)

NON-HAZARDOUS LOCATION



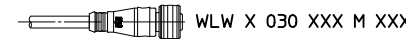
8LW X 031 XXX M XXX



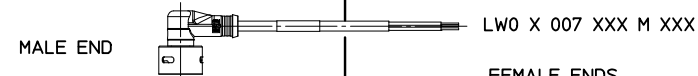
8LW X 030 XXX M XXX



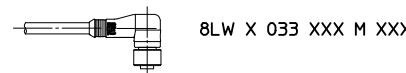
WLW X 031 XXX M XXX



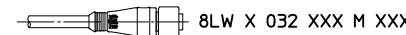
WLW X 030 XXX M XXX



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

REF. SEE SHEET 3 FOR CONFIGURATION INFORMATION

© THIS DRAWING SUPERSEDES ES-120614-001 REV-B

DOC WAS ES-120614-001
EC NO: IPG2012-0908
DRAWN BY: DRWINRSTONE
CHKD: JOZWIK
APPR: JFMURPHY
DATE: 2012/05/18
DATE: 2012/05/22
DATE: 2012/08/27

QUALITY SYMBOLS
▽=0
▽=0

GENERAL TOLERANCES
(UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± ---	± ---
1 PLACE	± ---	± ---

ANGULAR ± ---°

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

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

TITLE
CONTROL DOC FOR
ULTRA-LOCK ZONE 2

MATERIAL NO.
1206149999

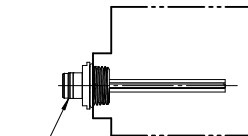
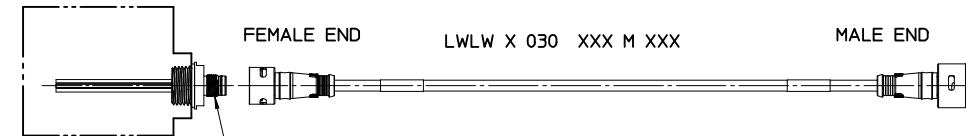
DOCUMENT NO.
SD-120614-999

SHEET NO.
1 OF 3

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

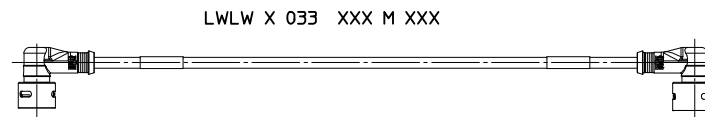
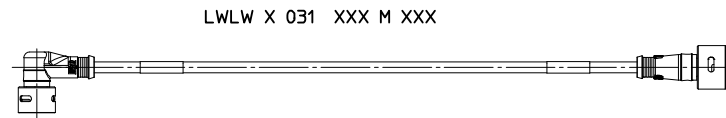
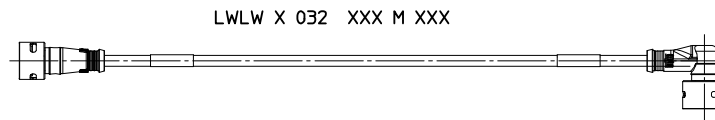
CLASS 1, DIVISION 2, GROUP A, B, C, OR D
HAZARDOUS LOCATION

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)



REF:

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

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

SEE SHEET 1 EC NO: IPG2012-0908 2012/05/18 DRAWNRSTONE CHKDK JOZWIK 2012/05/22 APPR: JFMURPHY 2012/08/27	QUALITY SYMBOLS ▽=0 ▽=0	DESCRIPTION REV	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE 1:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION	
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	mm	INCH	DRAWN BY RSTONE 2012/05/18 CHECKED BY K JOZWIK 2012/05/22 APPROVED BY JFMURPHY 2012/08/27	DATE	TITLE CONTROL DOC FOR ULTRA-LOCK ZONE 2 MOLEX INCORPORATED 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
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
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
000= PCB PINS
000= PCB PINS

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

WAS 007 EC NO: IPG2012-0908 DRAWN BY DRWNRSTONE 2012/05/18 CHKD-K JOZWIK 2012/05/22 APPR: JFMURPHY 2012/08/27 C1	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE 1:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION			
		▽=0 ▽C=0	mm	INCH	DRAWN BY	DATE	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								
		1 PLACE ± --- ± ---	APPROVED BY	DATE								
		ANGULAR ± ---°			JFMURPHY	2012/08/27	molex		MOLEX INCORPORATED			
		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							