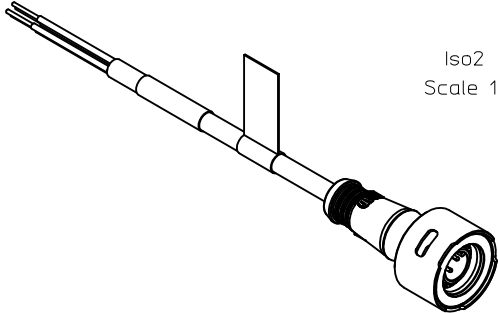
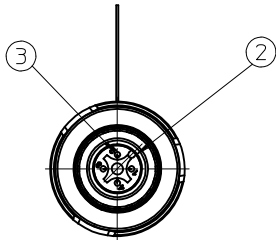
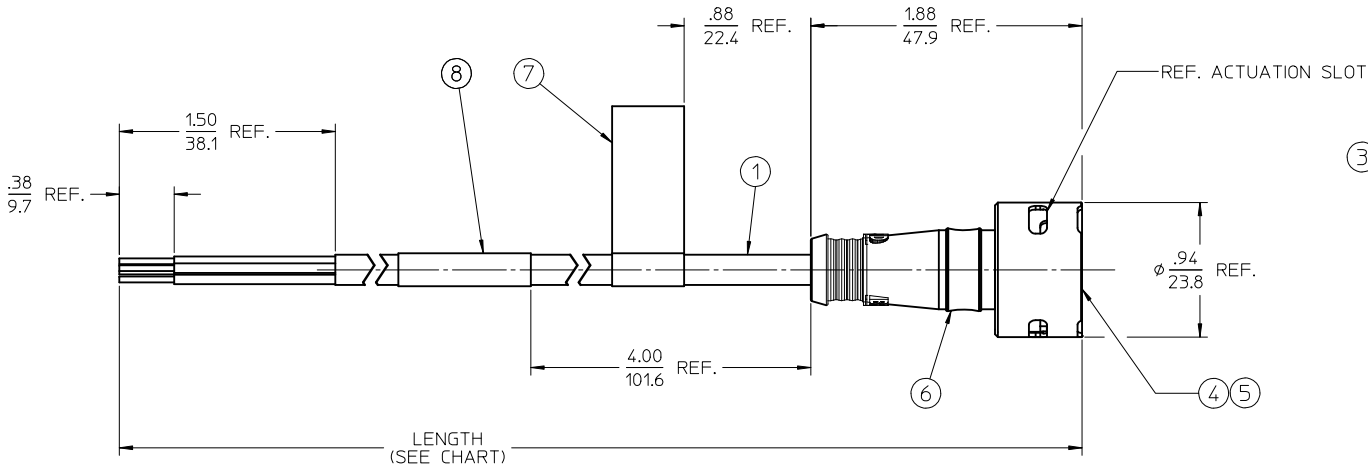


MATERIAL NO.	ENGINEERING NO.	LENGTH	POLES
1206140003	LW03006K05M020	78.7 (2M)	3
1206140004	LW05006K05M020	78.7 (2M)	5
1206140006	LW04006K05M020	78.7 (2M)	4

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.



Iso2
Scale 1:1



- 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

MALE FACE VIEW

3 POLE	4 POLE	5 POLE
1 BROWN 3 BLUE 4 BLACK	1 BROWN 2 WHITE 3 BLUE 4 BLACK	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

RELEASED
EC NO: WNA2012-0225
2011/11/21
DRWINSTONE
2012/01/27
CHKD:L.HARTMANN
APPR:JFMURPHY
2012/04/18

QUALITY
SYMBOLS
=0
=0

GENERAL TOLERANCES
(UNLESS SPECIFIED)

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

ANGULAR ± 2 °

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION STYLE
IN/MM

DRAWN BY
RSTONE
2011/11/21

CHECKED BY
L.HARTMANN
2012/01/27

APPROVED BY
JFMURPHY
2012/04/18

MATERIAL NO.
SEE CHART

SIZE
C

SCALE
1.5:1

DESIGN UNITS
INCH

THIRD ANGLE
PROJECTION

TITLE
ULTRA-LOCK ZONE 2
MALE, STRAIGHT
K05, 22 AWG, TPE

MOLEX INCORPORATED

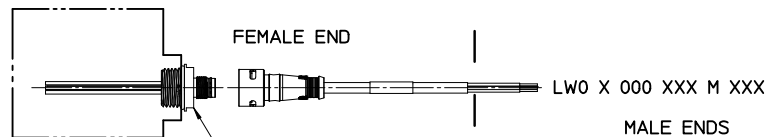
DOCUMENT NO.
SD-120614-009

SHEET NO.
1 OF 1

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

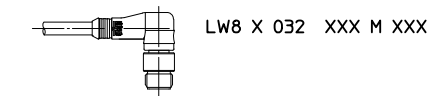
HAZARDOUS LOCATION



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

NON-HAZARDOUS LOCATION

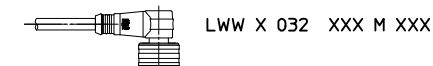
MALE ENDS



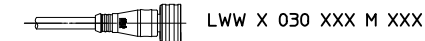
LW8 X 032 XXX M XXX



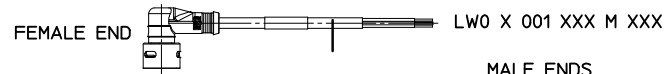
LW8 X 030 XXX M XXX



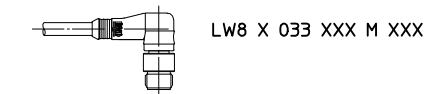
LWW X 032 XXX M XXX



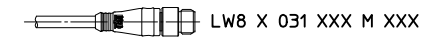
LWW X 030 XXX M XXX



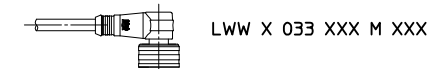
MALE ENDS



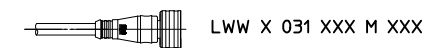
LW8 X 033 XXX M XXX



LW8 X 031 XXX M XXX



LWW X 033 XXX M XXX



LWW X 031 XXX M XXX

NOTES:

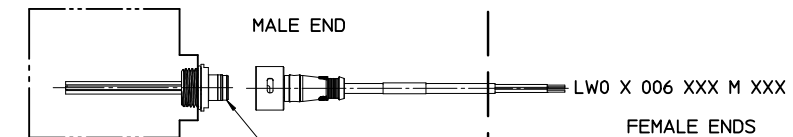
1. THE INSTALLATION MUST BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC), ANSI/NFPA 70. SPECIFIC REQUIREMENTS FOR THE INSTALLATION OF ITC RATED CABLE MAY BE FOUND IN ARTICLE 501.4(B)(1)(5) AND ARTICLE 727.4
2. THE MOLDED CONSTRUCTION OF THE CORDSET AND GAS/VAPORTIGHT CONTINUOUS SHEATH OF THE 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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OR SUPPLIER WITHOUT PRIOR APPROVAL FROM CSA AND
FACTORY MUTUAL.

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

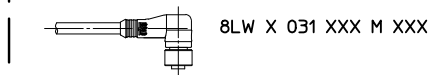
HAZARDOUS LOCATION



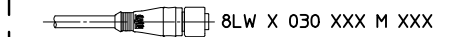
LWR X 000 A18 CXXX
(FEMALE 1/2" NPT)
LWR X A00 A18 CXXX
(FEMALE 1/4" NPT)

NON-HAZARDOUS LOCATION

FEMALE ENDS



8LW X 031 XXX M XXX



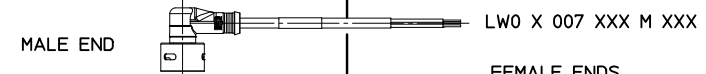
8LW X 030 XXX M XXX



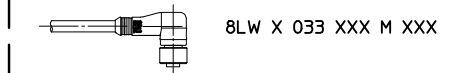
WLW X 031 XXX M XXX



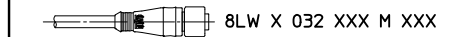
WLW X 030 XXX M XXX



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
2012/05/18
DRAWN BY: DRWNRSTONE
2012/05/22
CHKD BY: JOZWIK
2012/05/22
APPR: JFMURPHY

QUALITY SYMBOLS
▽=0
▽=0
REV

GENERAL TOLERANCES
(UNLESS SPECIFIED)

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

ANGULAR ± .005°

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

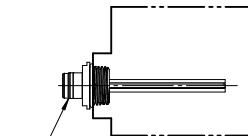
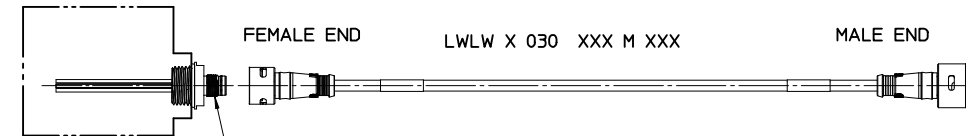
DOCUMENT NO.
SD-120614-999

SHEET NO.
1 OF 3

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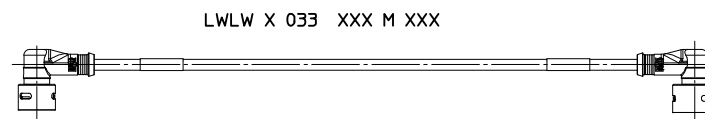
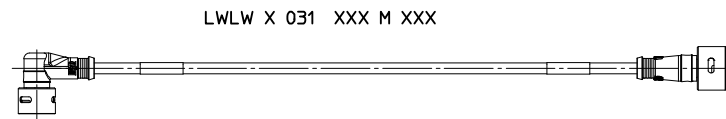
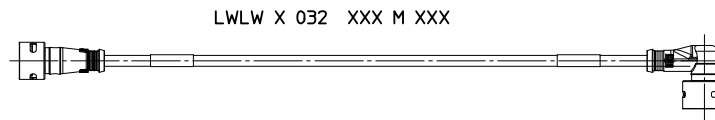
CLASS 1, DIVISION 2, GROUP A, B, C, OR D
HAZARDOUS LOCATION

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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FACTORY MUTUAL.

SEE SHEET 1 EC NO: JFG2012-0908 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			DRAWN BY DATE RSTONE 2012/05/18		CONTROL DOC FOR ULTRA-LOCK ZONE 2		
						CHECKED BY DATE K JOZWIK 2012/05/22				
						APPROVED BY DATE JFMURPHY 2012/08/27				
				ANGULAR ±---°		MOLEX MOLEX INCORPORATED				
						DOCUMENT NO. SD-120614-999				
					SHEET NO. 2 OF 3					

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

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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: DRWHRSTONE 2012/05/18 CHKD BY: JOZWIK 2012/05/22 APPR: JFMURPHY 2012/08/27	DESCRIPTION	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 INCORPORATED				
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			MATERIAL NO.						
						1206149999		SD-120614-999			3 OF 3	
			C1	REV	SIZE B		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					