



Certificate of Compliance

Certificate: 2536624

Master Contract: 151933

Project: 80050786

Date Issued: 2020-08-05

Issued To: Killark, Div of Hubbell Inc. (Delaware)
2112 Fenton Logistics Park Blvd
Fenton, Missouri, 63026
United States

Attention: Brian Pegg

Issued by: *Don Verbeem*
Don Verbeem



PRODUCTS

CLASS - C441805 - CABLE Hardware - For Hazardous Locations

CLASS - C441885 - CABLE-Hardware For Hazardous Locations-Certified to U.S. Standards

CLASS 4418-05 - CABLE-Hardware - For Hazardous Locations

**Class I, Division 1, Groups A, B, C, and D; Class II, Division 1, Groups E, F and G; Class III,
Encl. Types 3, 4 and 4X; IP66
Ambient Temperature -50°C to 60°C**

- Integrally Sealed Straight & Angled Cable Glands, 45° and 90° Series Types; MCX1B, MCX1C, MCX2, MCX3, MCX4, MCX14C, MCX24, MCX19C and MCX29. Trade Sizes 1/2" through 3/4" for use with certified cables, jacketed with corrugated or interlock metal armor types TECK 90/HL, RA-90/HL, AC-90/HL, ACG-90/HL, ACWU-90/HL, or ACGWU-90/HL cables.

Note: When allowed per CEC wiring methods certified for use with TC, TECK-90, ACWU90, RA-90, RC-90, ACIC, or CIC cables, or TC cables.



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**Class I, Division 1, Groups A, B, C, and D; Class II, Division 1, Groups E, F and G; Class III,
Encl. Types 3, 4, 4X and 6; IP66, IPX8 (6ft.- 1hr)
Ambient Temperature -50°C to 60°C**

- Integrally Sealed Straight Cable Glands Series Types; MCX5, MCX6, MCX7, MCX8, MCX9, MCX0, MC2X1B, MC2X1C, MC2X2, MC2X3, MC2X4, MC2X5, MC2X6, MC2X7, MC2X8, MC2X9, and MC2X0 Trade Sizes 1/2" through 4" for use with certified cables, jacketed with corrugated or interlock metal armor types TECK 90/HL, RA-90/HL, AC-90/HL, ACG-90/HL, ACWU-90/HL, or ACGWU-90/HL cables.

Note: When allowed per CEC wiring methods certified for use with, TECK90, RA90, AC90, ACG90, ACWU90, ACGWU90, RC-90, ACIC, CIC, or TC cables.

**Class I, II, III; Class II, Division 1, Groups E, F and G,
Encl. Types 3, 4 and 4X; IP66
Ambient Temperature -50°C to 60°C**

- Angled Cable Glands, 45° and 90° Series Types; MC14C, MC24, MC19C and MC29. Trade Sizes 1/2" through 3/4" for use with certified cables, jacketed with corrugated or interlock metal armor types TECK 90/HL, RA-90/HL, AC-90/HL, ACG-90/HL, ACWU-90/HL, or ACGWU-90/HL cables.

Note: When allowed per CEC wiring methods certified for use with TC, TECK-90, ACWU90, RA-90, RC-90, ACIC, or CIC cables, or TC cables.

**Class I, II, III; Class II, Division 1, Groups E, F and G,
Encl. Types 3, 4, 4X and 6; IP66, IPX8 (6 ft.- 1 hr.)
Ambient Temperature -50°C to 60°C**

- Straight Cable Glands Series Types; MC1B, MC1C, MC2, MC3, MC4 MC5, MC6, MC7, MC8, MC9 and MC0. Trade Sizes 1-1/2" through 4" for use with certified cables, jacketed with corrugated or interlock metal armor types TECK 90/HL, RA-90/HL, AC-90/HL, ACG-90/HL, ACWU-90/HL, or ACGWU-90/HL cables.

Note: When allowed per CEC wiring methods certified for use with TC, TECK-90, ACWU90, RA-90, RC-90, ACIC, or CIC cables, or TC cables.

CLASS 4418-85 - CABLE-Hardware-For Hazardous Locations-Certified to U.S. Standards

**Class I, Division 1, Groups A, B, C, and D; Class II, Division 1, Groups E, F and G; Class III,
Encl. Types 3, 4 and 4X; IP66;
Ambient Temperature -50°C to 60°C**



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- Integrally Sealed Straight & Angled Cable Glands, 45° and 90° Series Types; MCX1B, MCX1C, MCX2, MCX3, MCX4, MCX14C, MCX24, MCX19C and MCX29. Trade Sizes 1/2" through 3/4" for use with certified cables, jacketed with corrugated or interlock metal armor types MC-HL, ITC-HL and non-armor type TC-ER-HL cables.

Notes:

1. When allowed per NEC wiring methods certified for use with PLTC, PLTC-ER, ITC, ITC-ER, MC, MV, TC, and TC-ER cables.
2. May also be marked Class I, Zone 1, Group IIC; Zone 20 in accordance with the marking allowance in the NEC™.

**Class I, Division 1, Groups A, B, C, and D; Class II, Division 1, Groups E, F and G; Class III,
Encl. Types 3, 4, 4X and 6; IP66, IPX8 (6 ft.- 1 hr.)
Ambient Temperature -50°C to 60°C**

- Integrally Sealed Straight Cable Glands Series Types; MCX5, MCX6, MCX7, MCX8, MCX9, MCX0, MC2X1B, MC2X1C, MC2X2, MC2X3, MC2X4, MC2X5, MC2X6, MC2X7, MC2X8, MC2X9, and MC2X0. Trade Sizes 1-1/2" through 4" for use with certified cables, jacketed with corrugated or interlock metal armor types MC-HL, ITC-HL and non-armor type TC-ER-HL cables.

Notes:

1. When allowed per NEC wiring methods certified for use with PLTC, PLTC-ER, ITC, ITC-ER, MC, MV, TC, and TC-ER cables.
2. May also be marked Class I, Zone 1; Zone 20 in accordance with marking allowance in the NEC™.

**Class II, Division 1, Groups E, F and G; Class III,
Encl. Type 3, 4 & 4X; IP66;
Ambient Temperature -50°C to 60°C**

- Integrally Sealed Angled Cable Glands, 45° and 90° Series Types; MC14C, MC19C, MC24, MC29, Trade Sizes 1/2" through 3/4" for use with certified cables, jacketed with corrugated or interlock metal armor types ITC-HL, MC-HL and non-armor type TC-ER-HL cables.

Notes:

1. When allowed per NEC wiring methods certified for use with PLTC, PLTC-ER, ITC, ITC-ER, MC, MV, TC, and TC-ER cables.
2. May also mark Zone 20 in accordance with the marking allowance documented in the NEC™.

**Class II, Division 1, Groups E, F and G; Class III,
Encl. Type 3, 4, 4X, 6; IP66, IPX8 (6 ft. - 1 hr.)
Ambient Temperature -50°C to +60°C**



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- Integrally Sealed Cable Glands Straight Series Types; MC1B, MC1C, MC2, MC3, MC4 MC5, MC6, MC7, MC8, MC9 and MC0. Trade Sizes 1-1/2" through 4" for use with certified cables, jacketed with corrugated or interlock metal armor types ITC-HL, MC-HL and non-armor type TC-ER-HL cables.

Notes:

1. When allowed per NEC wiring methods certified for use with PLTC, PLTC-ER, ITC, ITC-ER, MC, MV, TC, and TC-ER cables.
2. May also be marked Zone 20 in accordance with the marking allowance documented in the NEC™.

APPLICABLE REQUIREMENTS

CAN/CSA-C22.2 No 0-10	- General Requirements - Canadian Electrical Code, Part II (Reaffirmed 2020)
CAN/CSA-C22.2 No 18.3-12 Edition 2	- Conduit, Tubing and Cable Fittings
CAN/CSA-C22.2 No 25-17 Edition 4	- Enclosures for Use in Class II, Groups E, F and G Hazardous Locations
CAN/CSA-C22.2 No 30-20 Edition 4	- Explosion-Proof Enclosures for Use in Class I Hazardous
CAN/CSA-C22.2 No 174-18 Edition 3	- Cables and Cable Glands for Use in Hazardous Locations
CAN/CSA-C22.2 No. 94.2-15 Edition 2	- Enclosures for Electrical Equipment, Environmental Considerations
ANSI/UL Standard 514 Edition 6	- Fittings For Conduit and Outlet Boxes
ANSI/UL Standard 2225 Edition 4	- Cables and Cable-Fittings for Use In Hazardous (Classified) Locations
ANSI/UL Standard 50E Edition 2	- Enclosures for Electrical Equipment, Environmental Considerations

MARKINGS

The manufacturer is required to apply the following markings:

- Products shall be marked with the markings specified by the particular product standard.
- Products certified for Canada shall have all Caution and Warning markings in both English and French.

Additional bilingual markings not covered by the product standard(s) may be required by the Authorities Having Jurisdiction. It is the responsibility of the manufacturer to provide and apply these additional markings, where applicable, in accordance with the requirements of those authorities.

The products listed are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US (indicating that products have been manufactured to the requirements of both Canadian and U.S. Standards) or with adjacent indicator 'US' for US only or without either indicator for Canada only.

Nameplate adhesive label material approval information:

Not Applicable.

Parts are permanently marked by roll die stamping or laser etched on the metal back nut of each product assembly as documented on the descriptive documents list in this report.

- Company name, company logo, company trademark, or CSA file number.
- Catalogue number or equivalent designation.



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- Thread Size
- Hazardous locations designation.

For the MCX and MC2X series:

- Class I, Div. 1 Gr. A,B,C,D, Class II, Div. 1 Gr. E,F,G, Class III, SL; may be additionally marked Class I, Zone 1, Group IIC, Zone 20

For the MC series:

- Class II, Div. 1 Gr. E,F,G, Class III, may be additionally marked with Zone 20

The following markings must appear on the product unless there is not enough room to legibly apply the markings to the product. Then the following markings may be applied to the smallest unit of package in lieu of applying the markings to the product.

For the MCX series sizes ½” to 1-¼”

- CSA Mark with the c us indicator, IP66, Type 3, 4 and 4X for the smallest and largest cable diameter for which the fitting is intended to be used.

For the MCX series sizes 1-¼” to 4”, MC2X series, and MC series

- CSA Mark with the c us indicator, IP66, IPX8 (6 ft.-1hr.) Type 3, 4, 4X, and 6 for the smallest and largest cable diameter for which the fitting is intended to be used.

The following markings are applied only to the carton label.

- Wet Locations
- The type of cable and range of cable diameters for which the fitting is intended to be used. The cable type markings are as follows:

"Metal-Clad Interlocking Armor Cable Type" or "MCI"

"Metal-Clad Interlocking Armor Ground Cable Type" or "MCI-A"

"Metal-Clad Continuous Corrugated Sheath Armor Cable Type" or "MCC"

"ACG" for cable Types ACG90 and ACGWU90

Optional markings may include the following:

Approved cables:

- TECK90-HL
- RA90-HL
- AC90-HL
- ACG90-HL
- ACWU90-HL
- ACGWU90-HL
- TECK90
- RA90
- AC90
- ACWU90



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- RC90
 - ACIC
 - CIC
 - TC
 - MC-HL
 - ITC-HL
 - TC-ER-HL
 - PLTC
 - PLTC-ER
 - ITC
 - ITC-ER
 - MC
 - MV
 - TC-ER

Ambient temperature range: -50°C to +60°C

From UL 2225 clause 37.15 each fitting or each package of sealing compound shall be provided with instructions containing the following information:

- a) Preparation of dams, if required.
- b) The installation instructions shall specify the maximum diameter over conductors of the cable that the entry is intended to accept and the maximum numbers of conductors that can pass through the compound.
- c) Filling or assembly instructions.
- d) A statement including the following:
 - 1) Specific temperature below which the seal should not be formed.
 - 2) Period of time the fitting must be at, or above, the given temperature in order that the seal will set properly.



Supplement to Certificate of Compliance

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The products listed, including the latest revision described below, are eligible to be marked in accordance with the referenced Certificate.

Product Certification History

Project	Date	Description
80050786	2020-08-05	Update certificate 2536624 to include: 1. incorporate a submersion proof design, 2. allow two liquid epoxy sealing compounds to be used and 3. add oil resistant tray cable rating the series. 4. Update associated drawing as needed to reflect changes above 5. Add cable gland cross reference spreadsheet to clarify descriptive document usage for listed models.
000070187880	2019-01-24	Update to Certificate 2536624 (CPB 70159218) to cover alternate construction to Series TCX cable glands in order to accommodate Tray Cable Types and make minor revisions to report to add Cable Types to Series MCX and TCX cable glands.
000070159218	2017-10-12	Update to Certificate Report 2536624 to add Type 4X to Series MC/MCX cable glands.
000070133614	2017-08-28	Update to Certificate 2536624 to expand Cable Gland Series MCX/MC trade size 1/2 up to 4 inches, for use in Class I, Groups A, B, C and D; Class II, Groups E, F and G; Class III; Types 3 and 4.
000070029520	2015-07-23	New Addition of Cable Glands-Report 2536624
0002536624	2013-01-31	Certification of MC Series Non Barrier gland for CI I, II, III Div. 1 & 2 Grps. ABCDEFG Type 4 and MCX Series Barrier Gland for CI I II III, Div. 1 Grps. ABCDEFG Type 4