



Certificate of Conformity

Manufacturer: Larson Electronics LLC
Address: 9419 US-HWY 175
Kemp, Texas 75143

Declare the following equipment conforms to the standard(s) as listed:

Model: CGB-NY Series
Description: Explosion Proof Cable Gland

Evaluated Listings:

UL: E22698 – NEC / United States standards

CSA: LR73478 – CEC / Canada standards

NEC: Suitable for use in hazardous location applications when installed according to NEC Articles 501.10(b) (Class I, Division 2) or 502.10, 503.10, and 505.15 (Class I Zone 2).

501.10 Wiring Methods. Wiring methods shall comply with 501.10(A) or (B).

(B) Class I, Division 2.

(1) General. In Class I, Division 2 locations, the following wiring methods shall be permitted:

- (1) All wiring methods permitted in 501.10(A).
- (2) Threaded rigid metal conduit, threaded steel intermediate metal conduit.
- (3) Enclosed gasketed busways, enclosed gasketed wireways.
- (4) Type PLTC cable in accordance with the provisions of Article 725, or in cable tray systems. PLTC shall be installed in a manner to avoid tensile stress at the termination fittings.
- (5) Type ITC cable as permitted in 727.4.
- (6) Type MI, MC, MV, or TC cable with termination fittings, or in cable tray systems and installed in a manner to avoid tensile stress at the termination fittings.
- (7) In industrial establishments with restricted public access where the conditions of maintenance and supervision ensure that only qualified persons service the installation and where metallic conduit does not provide sufficient corrosion resistance, reinforced thermosetting resin conduit (RTRC), factory elbows, and associated fittings, all marked with the suffix -XW, and Schedule 80 PVC conduit, factory elbows, and associated fittings shall be permitted. Where seals are required for boundary conditions as defined in 501.15(A)(4), the Division 1 wiring method shall extend into the Division 2 area to the seal, which shall be located on the Division 2 side of the Division 1–Division 2 boundary.

(2) Flexible Connections. Where provision must be made for limited flexibility, one or more of the following shall also be permitted:

- (1) Flexible metal fittings.
- (2) Flexible metal conduit with listed fittings.
- (3) Liquidtight flexible metal conduit with listed fittings.
- (4) Liquidtight flexible nonmetallic conduit with listed fittings.
- (5) Flexible cord listed for extra-hard usage and provided with listed bushed fittings. A conductor for use as an equipment grounding conductor shall be included in the flexible cord.

502.10 Wiring Methods. Wiring methods shall comply with 502.10(A) or (B).

(B) Class II, Division 2.

(1) General. In Class II, Division 2 locations, the following wiring methods shall be permitted:

- (1) All wiring methods permitted in 502.10(A).
- (2) Rigid metal conduit, intermediate metal conduit, electrical metallic tubing, dusttight wireways.
- (3) Type MC or MI cable with listed termination fittings.



- (4) Type PLTC in cable trays.
- (5) Type ITC in cable trays.
- (6) Type MC, MI, or TC cable installed in ladder, ventilated trough, or ventilated channel cable trays in a single layer, with a space not less than the larger cable diameter between the two adjacent cables, shall be the wiring method employed.

Exception to (6): Type MC cable listed for use in Class II, Division 1 locations shall be permitted to be installed without the spacings required by (6).

(2) Flexible Connections. Where necessary to employ flexible connections, one or more of the following shall also be permitted:

- (1) Dusttight flexible connectors
- (2) Liquidtight flexible metal conduit with listed fittings
- (3) Liquidtight flexible nonmetallic conduit with listed fittings
- (4) Interlocked armor Type MC cable having an overall jacket of suitable polymeric material and provided with termination fittings listed for Class II, Division 1 locations.
- (5) Flexible cord listed for extra-hard usage and provided with bushed fittings. Where flexible cords are used, they shall comply with 502.140.

503.10 Wiring Methods. Wiring methods shall comply with 503.10(A) or (B).

(A) Class III, Division 1. In Class III, Division 1 locations, the wiring method shall be rigid metal conduit, rigid nonmetallic conduit, intermediate metal conduit, electrical metallic tubing, dusttight wireways, or Type MC or MI cable with listed termination fittings.

(2) Flexible Connections. Where necessary to employ flexible connections, dusttight flexible connectors, liquidtight flexible metal conduit with listed fittings, liquidtight flexible nonmetallic conduit with listed fittings, or flexible cord in compliance with 503.140 shall be used.

(B) Class III, Division 2. In Class III, Division 2 locations, the wiring method shall comply with 503.10(A).

505.15 Wiring Methods. Wiring methods shall maintain the integrity of protection techniques and shall comply with 505.15(A) through (C).

(C) Class I, Zone 2.

(2) Flexible Connections. Where provision must be made for limited flexibility, flexible metal fittings, flexible metal conduit with listed fittings, liquidtight flexible metal conduit with listed fittings, liquidtight flexible nonmetallic conduit with listed fittings, or flexible cord in accordance with the provisions of 505.17 shall be permitted.

505.17 Flexible Cords, Class I, Zones 1 and 2. A flexible cord shall be permitted for connection between portable lighting equipment or other portable utilization equipment and the fixed portion of their supply circuit. Flexible cord shall also be permitted for that portion of the circuit where the fixed wiring methods of 505.15(B) cannot provide the necessary degree of movement for fixed and mobile electrical utilization equipment, in an industrial establishment where conditions of maintenance and engineering supervision ensure that only qualified persons install and service the installation, and the flexible cord is protected by location or by a suitable guard from damage. The length of the flexible cord shall be continuous. Where flexible cords are used, the cords shall comply with the following

- (1) Be of a type listed for extra-hard usage
- (2) Contain, in addition to the conductors of the circuit, an equipment grounding conductor complying with 400.23
- (3) Be connected to terminals or to supply conductors in an approved manner
- (4) Be supported by clamps or by other suitable means in such a manner that there will be no tension on the terminal connections
- (5) Be provided with listed seals where the flexible cord enters boxes, fittings, or enclosures that are required to be explosionproof or flameproof



The CGB-NY Series is comprised of a Killar Z series device. This assembly is built to NEC, CEC standards for ordinary and wet locations, with NEC approval for use within for Class I, Division 2; Class II, Division 2; Class I, Zone 2 hazardous locations when properly installed per NEC code.

Signed for and on behalf of: Larson Electronics, LLC
Place of issue: Kemp, TX

Signature: *James Thomas*

Name: James Thomas
Position: Operations Manager