

CGB-NY-STR-0.5-RED

Hazardous Location Cable Gland - 1/2" NPT - Nylon - .187-.250" Cable OD

Product ID: 266790



Image: CGB-NY-STR-0.5-RED

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CGB-NY-STR-0.5-RED Cable Gland

Unit Type: Hazardous Location Cable Gland

Weight: 0.5 lb

Height: 2 in

Length: 2 in

Width: 1 in

Entry Thread (Hub): 1/2" NPT

Thread Length: 0.531"

Thread Width: 0.578"

Number of Conductors: -

Cable Diameter: 0.187" (Min) to 0.250" (Max)

Nominal Protrusion Length: 1.50"

Operating Temp: -60°C to +100°C

Materials: Nylon

Ratings

NRTL Listed to United States & Canada Standards
Class I Division 2 - Install per NEC Articles 501.10

Special Orders - Special Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671

Intl: 1-903-270-1187

Fax: 1-903-765-7664

E-mail: sales@larsonelectronics.com

The Larson Electronics CGB-NY-STR-0.5-RED Hazardous Location Cable Gland provides secure and safe cable connections in combustible facilities. This Class I Division 2 rated cable gland is constructed of nylon and caters to standard 1/2" NPT hubs for connection. The CGB-NY-STR-0.5-RED is suitable for use in hazardous location applications when installed according to NEC articles.

The CGB-NY-STR-0.5-RED is a heavy duty cable gland for hazardous and corrosive environments. This unit features a standard entry thread of 1/2" NPT and a

minimum/maximum cable diameter of 0.187-.250" NPT. The Class I Zone 2 cable gland is constructed of durable nylon. The accessory is waterproof (IP66-IP68). This hazardous location cable gland is designed for use in environments ranging between -60°C to +100°C.

Applications: Corrosive environments, food processing facilities, chemical and sewage treatment plants, and off-shore and dockside installations

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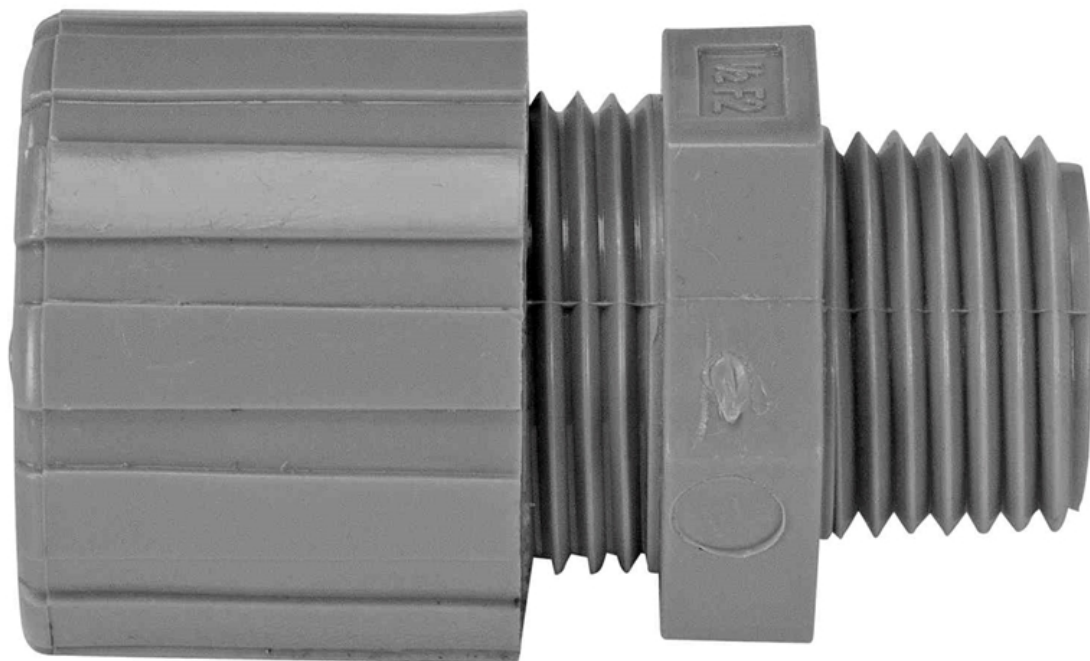


Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671



www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.765.7664









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

QCRV.E22698 - Outlet Bushings and Fittings

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Outlet Bushings and Fittings

KILLARK, DIV OF HUBBELL INC (DELAWARE)

E22698

2112 Fenton Logistics Park Blvd
Fenton, MO 63026 United States

Model(s): CG100100S, CG100125S, CG112125S, CG115150S, CG1250S, CG1275S, CG128150S, CG137125S, CG153200S, CG1850S, CG2575S, CG3150S, CG37100S, CG3750S, CG3775S, CG50100S, CG5050S, CG5075S, CG62100S, CG6250S, CG6275S, CG75100S, CG75125S, CG7575S, CG87100S, CG87125S, ZF001, ZF002, ZF003, ZF004, ZF005, ZF006, ZF101, ZF102, ZF103, ZF107, ZF108, ZF109, ZF207, ZF208, ZF209, ZF308, ZF310, ZF311, ZF312, ZF313, ZF319, ZF412, ZF413, ZF513, ZF514, ZF515, ZF616, ZF617, ZF618, ZF620, ZN001, ZN002, ZN003, ZN004, ZN006, ZN007, ZN101, ZN102, ZN103, ZN103-MG, ZN105-MG, ZN108, ZN108-MG, ZN109, ZN109-MG, ZN15, ZN208, ZN208CR, ZN208-MG, ZN209, ZN209CR, ZN209-MG, ZN210, ZN210CR, ZN210-MG, ZN211, ZN211CR, ZN211-MG, ZN308, ZN308CR, ZN309, ZN309CR, ZN310, ZN310CR, ZN311, ZN311CR, ZN312, ZN312CR, ZN313, ZN313CR, ZN411, ZN412, ZN413, ZN414, ZN415, ZN513, ZN514, ZN515, ZN615, ZN616, ZN617, ZN618, ZN620, ZS001, ZS001-4, ZS001CR, ZS002, ZS002-4, ZS002CR, ZS003, ZS003-4, ZS003CR, ZS004, ZS004-4, ZS004CR, ZS004-MG, ZS006, ZS006-4, ZS006CR, ZS006-MG, ZS007, ZS007-4, ZS007CR, ZS007-MG, ZS101, ZS101CR, ZS101CR, ZS102, ZS102CR, ZS102CR, ZS103, ZS103S, ZS103CR, ZS103CR, ZS103-MG, ZS105, ZS1056, ZS105CR, ZS105CR, ZS105-MG, ZS108, ZS108CR, ZS108CR, ZS108-MG, ZS109, ZS109CR, ZS109CR, ZS109CR, ZS109-MG, ZS110, ZS110-MG, ZS111, ZS111-MG, ZS201, ZS202, ZS203, ZS203-MG, ZS205, ZS205-MG, ZS208, ZS208CR, ZS208-MG, ZS209, ZS209-MG, ZS210, ZS210CR, ZS210-MG, ZS211, ZS211CR, ZS211-MG, ZS308, ZS308CR, ZS308-MG, ZS309, ZS309CR, ZS309-MG, ZS310, ZS310CR, ZS310-MG, ZS311, ZS311CR, ZS311-MG, ZS312, ZS312CR, ZS312-MG, ZS313, ZS313CR, ZS313-MG, ZS314, ZS315, ZS411, ZS412, ZS413, ZS414, ZS415, ZS511, ZS512, ZS513, ZS514, ZS515, ZS516, ZS517, ZS518, ZS520, ZS615, ZS616, ZS617, ZS618, ZS619, ZS620, ZS621, ZS622, ZS623, ZS624, ZS625, ZS719, ZS721, ZS722, ZS723, ZS724, ZS725, ZS726, ZS727, ZS819, ZS821, ZS822, ZS823, ZS824, ZS825, ZS826, ZS827, ZS828, ZS829, ZV101, ZV102, ZV103, ZV105, ZV108, ZV109, ZV208, ZV209, ZV210, ZV211, ZV308, ZV309, ZV310, ZV311, ZV312, ZV313, ZV413, ZV414, ZV415, ZV513, ZV514, ZV515

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CUSTOMER	CLASS	FILE NUMBER
Killark, Div of Hubbell Inc. (Delaware) 2112 Fenton Logistics Park Blvd Fenton Missouri United States 63026	4412-01 (/testing-certification/product-listing/class/?class=4412-01) OUTLET BOXES AND FITTINGS - Bushings, Fittings	027378_M_019

Strain relief bushings, watertight, zinc alloy, cast aluminum or bar aluminum, with suffix numbers denoting trade size and cable diameters; Cat Nos ZS001-4 to ZS007-4; ZS001 to ZS007; ZS101 to ZS111; ZS201 to ZS211; ZS308 to ZS315; ZS411 to ZS415; ZS511 to ZS520; ZS615 to ZS625; ZS719 to ZS727; ZS819 to ZS829; ZN001 to ZN007; ZN101 to ZN109; ZN208 to ZN211; ZN308 to ZN313; ZN411 to ZN415; ZN513 to ZN515, ZN615 to ZN620; ZV101 to ZV109; ZV208 to ZV211; ZV308 to ZV313; ZV413 to ZV415; ZV513 to ZV515; ZF001 to ZF006; ZF101 to ZF109; ZF207 to ZF209; ZF308 to ZF313; ZF412 to ZF413; ZF513 to ZF515, ZF616 to ZF620.
Submersible, underground, Series ZU105, ZU205, ZU210, (AL) without suffix, with Suffix ZP (zinc plated steel), SS (stainless steel), CR (nylon).
Watertight, nylon, Cat Nos ZS001 to ZS007; ZS101 to ZS109; ZS208 to ZS211, ZS308 to ZS313; ZN101 to ZN109; ZN208 to ZN211; ZN308 to ZN313; with suffix CR.
Strain relief, support and pulling grips, Cat Nos ZS004, ZS006, ZS007, ZS103, ZS105, ZS108, ZS109, ZS110, ZS111, ZS203, ZS205, ZS208, ZS209, ZS210, ZS211, ZS308, ZS309, ZS310, ZS311, ZS312, ZS313, ZN103, ZN105, ZN108, ZN109, ZN208, ZN209, ZN210, ZN211 followed by MG suffix; Cat Nos K0381, K0501, K0751, K1001, K1251, K1501, K2001, K2501, K3001, K4001, K03891, K05091, K07591, K10091, K12591, K15091, K20091, K03841, K05041, K07541, K10041, K12541, K15041, K20041 followed by MG suffix.

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