



# Certificate of Compliance

**Certificate:** 2367109

**Master Contract:** 184585

**Project:** 2633566

**Date Issued:** June 16, 2013

**Issued to:** **CMP Products Ltd**

**Glasshouse St.  
St. Peters  
Newcastle Upon Tyne, NE6 1BS  
United Kingdom  
Attention: Geof Mood**

*The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only.*



*Don Verbeem*

**Issued by:** Don Verbeem

## **PRODUCTS**

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

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

**Ex e II, Ex nR II**

**Class I, Zone 1, AEx e II, AEx nR II**

“CMP” Cable Gland Connectors, Series C2KX for use with braided-armored or armored-jacketed Marine Shipboard Cable Type; Trade sizes ½ in NPT through 3 in NPT and M20 through M90 (Metric), provided with 5 full NPT threads or a minimum of 10 full ISO metric threads. Series Cat Nos C2KX with prefix numbers -20S/16, -20S, -20, -25, -32, -40, -50S, -50, -63S, -63, -75S, -75 or -90. Ambient temperature range -60°C to +130°C. Enclosure Type 4X, IP54 and/or “Oil Resistant II”

## Notes:

- Cable gland connector material may be of brass, aluminum or stainless steel.



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- C2KX cable glands are only suitable for fixed installations. Cables must be effectively clamped to prevent twisting and pulling.
- According to C.E.C. and the N.E.C. wiring method for the types of cables that can be used in Class I, Zone 1 and 2 Classified Areas, according to 60079-14 installation wiring method restrictions.
- Shipboard Cables are for use on Marine Platform and/or shipboards only and are subject to local authorities having jurisdiction on the installation.

**APPLICABLE REQUIREMENTS**

|                                   |   |
|-----------------------------------|---|
| CAN/CSA-C22.2 No 0-10             | General Requirements  |
| CAN/CSA-C22.2 No 18.3-04, 1st Ed. | Outlet Boxes, Conduit Boxes, and Fittings   |
| CAN/CSA-C22.2 No.94.1-07          | Enclosures for Electrical Equipment, Non-Environmental Considerations   |
| CAN/CSA-C22.2 No.94.2-07          | Enclosures for Electrical Equipment, Environmental Considerations   |
| CSA-E60079-0:-11                  | Electrical Apparatus for Explosive Gas Atmospheres – Part 0 - General Requirements 2nd Edition  |
| CAN/CSA-E60079-7:03               | Electrical Apparatus for Explosive Gas Atmospheres – Part 7 - Increase Safety “e”   |
| C22.2 No 60079-15-12              | Electrical apparatus for explosive gas atmospheres — Part 15: Construction, test and marking of type of protection "n" electrical apparatus - First Edition |
| ANSI/UL 514B, 5th Ed.             | Conduit, Tubing, and Cable Fittings   |
| ANSI/UL 50                        | Enclosures for Electrical Equipment, Non-Environmental Considerations   |
| ANSI/UL 50E                       | Enclosures for Electrical Equipment, Environmental Considerations   |
| ANSI/UL 2225, 4th Ed.             | Cables and Cable Fittings For Use in Hazardous (Classified) Locations   |
| CAN/CSA C22.2 No. 60529:05        | Degrees of protection provided by enclosures (IP Code)  |
| ANSI/UL 60079-0, 5th Ed.          | Electrical Apparatus for Explosive Gas Atmospheres – Part 0 - General Requirements  |
| ANSI/UL 60079-7, 4th Ed.          | Electrical Apparatus for Explosive Gas Atmospheres – Part 7 - Increase Safety “e”   |
| IEC 60529 Ed. 2.1                 | Degrees of protection provided by enclosures (IP Code)  |
| UL 60079-15 4th edition           | UL Standard for Safety Explosive atmospheres – Part 15: Equipment protection by type of protection "n"  |

**MARKINGS**

Permanently Die Stamped on each Body of the Gland:

- Manufacturer name or trade mark
- Catalogue number designation, As specified in the PRODUCTS section, above.



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- Hazardous Location designation, As specified in the PRODUCTS section, above.
- Trade size and appropriate entry thread size and type, As specified in the PRODUCTS section, above.
- Enclosure ratings: “Wet Locations”, “Type 4/4X”, “IP54” and/or “Oil Resistant II”
- May be marked with the cord/cable diameter range (where applicable).
- Certificate Number: “CSA 11 2367109” (Applicable for Ex e and Class I, Zone 1, AEx e Marking).
- CSA followed with us or c us indicator, as shown on the Certificate of Conformity
- Ambient temperature range, As specified in the PRODUCTS section, above.

Notes: Installation instruction sheet provided in each packaged unit containing the following information:

- Type of cables or cords that the cable fittings are suitable to be installed with.
- Cord/cable diameter range.