

# Certificate of Compliance

**Certificate:** 2288626

**Master Contract:** 184585

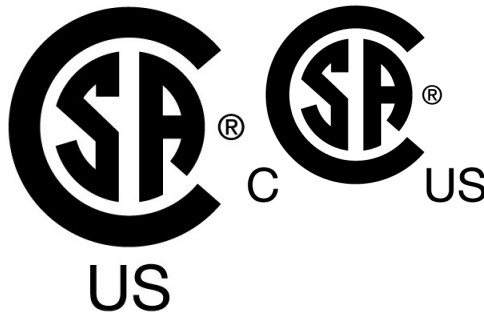
**Project:** 2288626

**Date Issued:** May 31, 2010

**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.*



*D. Somma. C.E.T.*

**Issued by:** D. Somma. C.E.T.

## **PRODUCTS**

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

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

**CLASS 4418 85 - CABLE - Hardware - For Hazardous Locations – US Requirements**

**Class I, Div. 2, Groups A, B, C and D; Class II, Div. 2, Groups F and G; Class III, Div. 2; Type 4X; Oil Resistance II:**

- Series PX2K or PX2KW cable glands, integrally sealed (SL) for use only with Tray Cable Type. For vertical or horizontal mounting, for use with manufacturer's "CEDESA" Type EP2122 or "Greenfield Polymers" PC6182 sealing compound, trade sizes ½ in NPT through 4 in NPT and M20 through M100 (Metric), when provided with NPT or a minimum of 10 full ISO metric threads.
  
- Series PXSS2K cable glands, integrally sealed (SL) for use with braided-armored Marine Shipboard Cable Type. For vertical or horizontal mounting, for use with manufacturer's "CEDESA" Type EP2122 or



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“Greenfield Polymers” PC6182 sealing compound, trade sizes ½ in NPT through 4 in NPT and M20 through M100 (Metric), when provided with NPT or a minimum of 10 full ISO metric threads.

**Class I, Div. 2, Groups C and D; Class II, Div. 2, Groups F and G; Class III, Div. 2; Type 4X; Oil Resistant II:**

- Series PX2K or PX2KW cable glands, integrally sealed (SL) for use only with Tray Cable Type. For vertical or horizontal mounting, for use with manufacturer’s “CEDESA” Type EP2122 or “Greenfield Polymers” PC6182 sealing compound, trade sizes ½ in NPT through 4 in NPT and M20 through M100 (Metric), when provided with NPT or a minimum of 5 full ISO metric threads.
- Series PXSS2K and PXB2KX cable glands, integrally sealed (SL) for use with Marine Shipboard Cable Type. For vertical or horizontal mounting, for use with manufacturer’s “CEDESA” Type EP2122 or “Greenfield Polymers” PC6182 sealing compound, trade sizes ½ in NPT through 4 in NPT and M20 through M100 (Metric), when provided with NPT or a minimum of 5 full ISO metric threads.

**Class I, Div. 1, Groups A, B, C and D; Class II, Div. 1, Groups E, F and G; Class III, Div. 1; Type 4X: Oil Resistant II:**

- Series PX2KX and PX2K cable glands, integrally sealed (SL) for use with braided-armored or armored-jacketed Marine Shipboard Cable Type. For vertical or horizontal mounting, for use with manufacturer’s “CEDESA” Type EP2122 or “Greenfield Polymers” PC6182 sealing compound, trade sizes ½ in NPT through 4 in NPT and M16 through M100 (Metric), when provided with NPT or a minimum of 10 full ISO metric threads.

**Class I, Div. 1, Groups C and D; Class II, Div. 1, Groups E, F and G; Class III, Div. 1; Type 4X: Oil Resistant II:**

- Series PXSS2K and PXB2KX cable glands, integrally sealed (SL) for use with braided-armored or armored-jacketed Marine Shipboard Cable Type. For vertical or horizontal mounting, for use with manufacturer’s “Denso” Type 2122 sealing compound, trade sizes ½ in NPT through 4 in NPT and M20 through M100 (Metric), when provided with NPT or a minimum of 5 full ISO metric threads.

**Class I, Zone 1, AE x d IIC; Class I, Zone 1, AEx e II:**



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- Series PX2KX and PXB2KX cable glands, integrally sealed (SL) for use with braided-armored or armored-jacketed Marine Shipboard Cable Type. For vertical or horizontal mounting, for use with manufacturer's "CEDESA" Type EP2122 or "Greenfield Polymers" PC6182 sealing compound, trade sizes ½ in NPT through 4 in NPT and M20 through M100 (Metric), when provided with 5 full NPT threads or a minimum of 10 full ISO metric threads
  - Series PXSS2K cable glands, integrally sealed (SL) for use with Extra Hard usage cord. For vertical or horizontal mounting, for use with manufacturer's "CEDESA" Type EP2122 or "Greenfield Polymers" PC6182 sealing compound, trade sizes ½ in NPT through 4 in NPT and M20 through M100 (Metric), when provided with a minimum of 5 full NPT threads or 10 full ISO metric threads

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

##### **Class I, Div. 2, Groups A, B, C and D; Class II, Div. 2, Groups F and G; Class III, Div. 2; Type 4X; Oil Resistant II:**

- Series PX2K or PX2KW cable glands, integrally sealed (SL) for use only with Tray Cable Type. For vertical or horizontal mounting, for use with manufacturer's "CEDESA" Type EP2122 or "Greenfield Polymers" PC6182 sealing compound, trade sizes ½ in NPT through 4 in NPT and M20 through M100 (Metric), when provided with NPT or a minimum of 10 full ISO metric threads.
- Series PXSS2K, PX2KX and PXB2KX cable glands, integrally sealed (SL) for use with braided-armored Marine Shipboard Cable Type. For vertical or horizontal mounting, for use with manufacturer's "CEDESA" Type EP2122 or "Greenfield Polymers" PC6182 sealing compound, trade sizes ½ in NPT through 4 in NPT and M20 through M100 (Metric), when provided with NPT or a minimum of 10 full ISO metric threads.

##### **Class I, Div. 2, Groups C and D; Class II, Div. 2, Groups F and G; Class III, Div. 2; Type 4X; Oil Resistant II:**

- Series PX2K or PX2KW cable glands, integrally sealed (SL) for use only with Tray Cable Type. For vertical or horizontal mounting, for use with manufacturer's "CEDESA" Type EP2122 or "Greenfield Polymers"



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PC6182 sealing compound, trade sizes ½ in NPT through 4 in NPT and M20 through M100 (Metric), when provided with NPT or a minimum of 5 full ISO metric threads.

- Series PXSS2K, PX2KX and PXB2KX cable glands, integrally sealed (SL) for use with Marine Shipboard Cable Type. For vertical or horizontal mounting, for use with manufacturer's "CEDESA" Type EP2122 or "Greenfield Polymers" PC6182 sealing compound, trade sizes ½ in NPT through 4in NPT and M20 through M100 (Metric), when provided with NPT or a minimum of 5 full ISO metric threads.

**Class I, Div. 1, Groups A, B, C and D; Class II, Groups E, F and G; Class III; Type 4X; Oil Resistant II:**

**Ex d IIC:**

**Ex e II:**

- Series PXSS2K cable glands, integrally sealed (SL) for use with Extra Hard usage cord. For vertical or horizontal mounting, for use with manufacturer's "CEDESA" Type EP2122 or "Greenfield Polymers" PC6182 sealing compound, trade sizes ½ in NPT through 4 in NPT and M20 through M100 (Metric), when provided with a minimum of 5 full NPT threads or 10 full ISO metric threads



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Notes:

**CLASS 4418 85**

1. Cable gland connectors material may be of brass, aluminum or stainless steel.
- Connectors with metric entry threads are only suitable for Areas Classified in ZONES unless fitted with an approved Metric to NPT thread conversion adaptor.
  - According to US (NEC) wiring method for the types of cables that can be used in Class I, Div. 1 and 2 and Class I, Zone 1 and 2 Classified Areas, according to 60079-14 installation wiring method restrictions.

Notes:

**CLASS 4418 05**

1. Cable gland connectors material may be of brass, aluminum or stainless steel.
- Connectors with metric entry threads are only suitable for Areas Classified in ZONES unless fitted with an approved Metric to NPT thread conversion adaptor.
  - According to C.E.C. wiring method for the types of cables that can be used in Class I, Div. 1 and 2 and 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-M91             | - | General Requirements  |
| CAN/CSA-C22.2 No 18-04             | - | Outlet Boxes, Conduit Boxes, and Fittings                             |
| CAN/CSA-C22.2 No 25-1966 Locations | - | Enclosures for Use in Class II, Groups E, F and G Hazardous Locations |



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CAN/CSA-C22.2 No 30-M1986 Locations – Industrial Products	-	Explosion Proof Enclosure for use in Class I Hazardous
CAN/CSA-C22.2 No.174-M1984	-	Cables and Cable Glands for Use in Hazardous Locations
CAN/CSA-C22.2 No.94-M91	-	Special Purpose Enclosures
CAN/CSA-E60079-0:07 General Requirements	-	Electrical Apparatus for Explosive Gas Atmospheres – Part 0 -
CAN/CSA-E60079-7:07 Increase Safety “e”	-	Electrical Apparatus for Explosive Gas Atmospheres – Part 7 -
CAN/CSA-E60079-1:07 Flameproof	-	Electrical Apparatus for Explosive Gas Atmospheres – Part 1 -
CAN/CSA-E61241-1-1 Part 1-1	-	Electrical Apparatus for use in the presence of combustible dust-
ANSI/UL 514B Edition 5	-	Conduit, Tubing, and Cable Fittings
ANSI/UL 50 Edition 11	-	Enclosures for Electrical Equipment
ANSI/UL 2225 Edition 4 Locations	-	Cables and Cable Fittings For Use in Hazardous (Classified)
UL60079-0:07 General Requirements	-	Electrical Apparatus for Explosive Gas Atmospheres – Part 0 -
UL60079-7:07 Increase Safety “e”	-	Electrical Apparatus for Explosive Gas Atmospheres – Part 7 -
UL60079-1:07 Flameproof	-	Electrical Apparatus for Explosive Gas Atmospheres – Part 1 -

### **MARKINGS**

Permanently Die Stamped on each Body of the Gland:

- Manufacturer name or trade mark
- Catalogue number designation
- Hazardous Location designation
- Trade size and appropriate thread form



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- The letters "SL" (for integrally sealed gland)
- Enclosure Type 4X and or IP66.
- May be marked Oil Resistance II (were applicable).
- Extra Hard Usage Cord Fittings (for Series PSS2K fittings only)
- May be marked with the cord/cable diameter range (were applicable).
- Certificate Number: CSA 10.2288626 (Applicable for Ex d and Ex e Marking).
- CSA followed with the us or c us indicator (were applicable).

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

1. Instruction for mixing the compound.
2. Filling or assembly instructions,
3. Type of sealing compound.
4. Specification temperature of installation and curing time.