PX2K–REX Series Liquid Resin Barrier Type Cable Glands

Increased Safety, Flameproof, Restricted Breathing and Dust Environment

Applications
- Cable gland for all types of armored cables (braid, tape, wire and lead sheath version) certified for enclosures with the following protection modes:
  - Ex d flameproof IIB or IIC.
  - Ex e increased safety.
  - Ex nR restricted breathing.
  - D dust environment.
- Hazardous areas (gas and dust).
- Onshore and offshore.

Features
- Utilizes RapidEx high speed liquid resin sealing compound included with each gland.
- The gland utilizes a liquid pour resin seal, that vastly reduces installation time and associated costs. This solution is particularly effective on multicore cables where traditional compound is difficult and time consuming to apply.
- Connector provides an environmental seal on the cable outer jacket and an explosionproof liquid resin barrier seal around the cable inner cores.
- Connector provides mechanical cable retention and electrical continuity via armor termination.
- PX2K forms part of a comprehensive connector range for marine shipboard and IEE45 armored and jacketed cables.
- Sealing technique: LRS outer seal (load retention seal).

Standard Materials
- Connector: brass fully nickel plated.
- Seal: LSF (Low Smoke Fume) Halogen Free thermoplastic elastomer
- High speed liquid resin sealing compound.

Options
- Aluminum: replace last digit 5 with 1
- 316L stainless steel: replace last digit 5 with 4 (available by quote only)
- Shroud, locknut, earth tag, entry thread seal, serrated washers, adaptors and reducers: see Cable Gland Accessories pages.

NEC/CEC Certifications and Compliances
- UL Standard: 2225
- CSA Standard: C22.2 No. 174
- cCSAus Certified: 101909

<table>
<thead>
<tr>
<th>Cable Gland Size</th>
<th>Metric Thread C</th>
<th>Minimum Thread Length mm (in) E</th>
<th>Standard Metric Thread C</th>
<th>Standard NPT Thread C</th>
<th>Optional NPT Thread C</th>
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<th>Replacement Sealing Resin</th>
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<td>M20</td>
<td>15.0 (0.59)</td>
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PX2K–REX Series Liquid Resin Barrier Type Cable Glands
Increased Safety, Flameproof, Restricted Breathing and Dust Environment

NEC/CEC:
- Class I, Division 1 and 2, Groups A, B, C, D
- Class II, Division 1 and 2, Groups E, F, G,
- Class III, Division 1 and 2

NEC/CEC:
- Class I, Zone 1 and 2 – 21 and 22
- NEMA 4X
- IP66, IP67, IP68

ATEX/IECEx:
- Zone 1 and 2, Zone 20
- Ex d IIC
- Ex e IIC
- Ex nR II, Ex ta IIC
- IP66, IP67, IP68

PX2K-REX Series Liquid Resin Barrier Type Cable Glands
Increased Safety, Flameproof, Restricted Breathing and Dust Environment

ATEX/IECEx Certifications and Compliances
- Certification Type PX2K REX
  - Gas: Zones 1 and 2
    - Type of Protection: Ex d IIC Gb, Ex e IIC Gb, Ex nR IIC Gc
  - Dust: Zone 20
    - Type of Protection: Ex ta IIC Da
- Conforming to ATEX 94/9/CE:
  - Zone 1 and 2, Zone 20
  - Ex d IIC
  - Ex e IIC
  - Ex nR II, Ex ta IIC
- Ambient Temperature: -60 °C to +85 °C  (-76 °F to +185 °F)
- CE Declaration of Conformity: DC07001
- ATEX Certificate: Sira 13ATEX1072X, Sira 13ATEX4078X
- IECEx Certificate: IECEx SIR 13.0027X, IECEx SIM 14.0008X
- Other Certifications: cCSAus, CCOE/PESO (India)
- Marine Approval: LLOYDS, DNV, ABS
- Index of Protection according EN/IEC 60529: IP66, IP67, IP68
- Deluge Protection Compliance: DTS01:91

INMETRO Certification
- INMETRO Certificate: TUV 12.2073X

EURASEC Certification
- TC RU C-GB.59.05.B.00138

Cable Gland Size | Maximum Diameter Over Conductors (mm) A | Overall Cable Diameter (mm) B | Maximum Cable Bedding Diameter (mm) C | Across Flats (mm) D | Across Corners (mm) D | Protrusion Length (mm) F | Optional PVC Shroud | Weight (kg) Min | Weight (lb) Max
---|---|---|---|---|---|---|---|---|---
20S/16 | 11.7 (0.46) | 6.1 (0.24) | 13.1 (0.52) | 30.5 (1.20) | 33.6 (1.32) | 62.0 (2.44) | PVC06 | 0.24 (0.53) |
20S | 11.7 (0.46) | 9.5 (0.37) | 15.9 (0.63) | 30.5 (1.20) | 33.6 (1.32) | 62.0 (2.44) | PVC06 | 0.23 (0.51) |
20 | 12.6 (0.50) | 12.5 (0.49) | 20.9 (0.82) | 30.5 (1.20) | 33.6 (1.32) | 63.0 (2.48) | PVC06 | 0.24 (0.53) |
25S | 17.5 (0.69) | 14.0 (0.55) | 22.0 (0.87) | 37.5 (1.48) | 41.3 (1.63) | 69.5 (2.74) | PVC09 | 0.37 (0.82) |
25 | 17.5 (0.69) | 18.2 (0.72) | 26.2 (1.03) | 37.5 (1.48) | 41.3 (1.63) | 69.5 (2.74) | PVC09 | 0.37 (0.82) |
32 | 23.6 (0.93) | 23.7 (0.93) | 33.9 (1.33) | 46.0 (1.81) | 50.6 (1.99) | 75.0 (2.95) | PVC11 | 0.57 (1.26) |
40 | 30.0 (1.18) | 27.9 (1.10) | 40.4 (1.59) | 55.0 (2.17) | 60.5 (2.38) | 75.0 (2.95) | PVC15 | 0.80 (1.76) |
50S | 36.6 (1.44) | 35.2 (1.39) | 46.7 (1.84) | 60.0 (2.36) | 66.0 (2.60) | 77.0 (3.03) | PVC18 | 0.90 (1.98) |
50 | 41.0 (1.61) | 40.4 (1.59) | 53.0 (2.09) | 61.3 (2.43) | 70.0 (2.76) | 77.0 (3.03) | PVC21 | 1.19 (2.62) |
63S | 47.9 (1.89) | 45.6 (1.80) | 59.4 (2.34) | 48.4 (1.91) | 75.0 (2.95) | 82.5 (3.25) | PVC23 | 1.39 (3.06) |
63 | 53.7 (2.11) | 54.6 (2.15) | 65.8 (2.59) | 54.0 (2.13) | 80.0 (3.15) | 88.0 (3.46) | PVC25 | 1.41 (3.11) |
75S | 59.9 (2.36) | 59.0 (2.32) | 72.0 (2.83) | 60.2 (2.37) | 90.0 (3.54) | 99.0 (3.90) | PVC28 | 2.09 (4.61) |
75 | 64.2 (2.53) | 66.7 (2.63) | 78.4 (3.09) | 64.2 (2.53) | 100.0 (3.94) | 110.0 (4.33) | PVC30 | 2.54 (5.60) |
90 | 75.3 (2.96) | 76.2 (3.00) | 90.3 (3.56) | 75.6 (2.98) | 115.0 (4.53) | 126.5 (4.98) | PVC32 | 3.71 (8.18) |