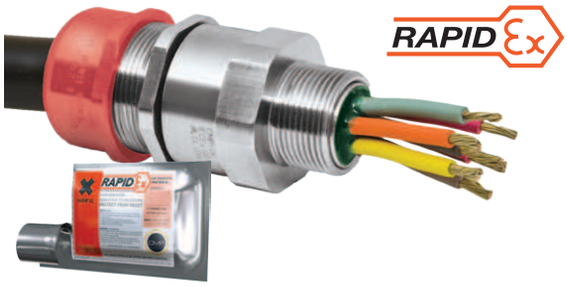


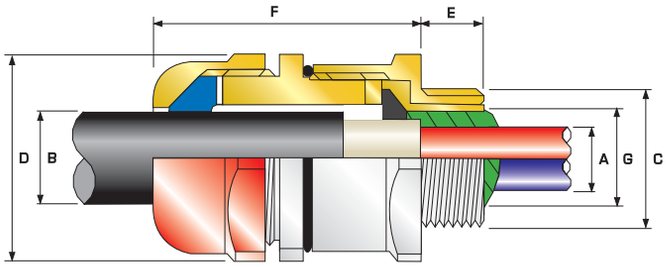


# PXSS2KREX

Ex e Exd ExnR Exta

## PXSS2KREX Globally Approved, Explosive Atmosphere RapidEx Barrier Cable Gland

### For all types of Unarmoured & Braid Cables

- RapidEx liquid pour sealing system
  - Enhances reliability, reduces risk
  - Reduces man hours
  - Reduces cost
- Direct & remote installation
- Superior levels of cable retention
- Displacement type environmental seal
- Designed to prevent Coldflow
- Deluge protected
- -60˚C to +85˚C
- Globally marked, IECEx, ATEX & cCSAus

| TECHNICAL DATA | |
|---|---|
| Design Specification | BS 6121:Part 1:1989, IEC 62444, EN 62444 |
| Mechanical Classifications* | Impact = Level 8, Retention = Class B |
| Enclosure Protection | IK10 to IEC 62262 (20 joules) Brass & Stainless Steel only |
| ATEX Certificate | SIRA13ATEX1072X, SIRA13ATEX4078X |
| Code of Protection | Ex II 2G, II 1D, Ex d IIC Gb, Ex e IIC Gb, Ex ta IIIC Da<br>Ex II 3G Ex nR IIC Gc, Ex IM2 Ex d I Mb, Ex e I Mb |
| Compliance Standards | EN 60079-0,1,7,15,31 |
| IECEx Certificate | IECEx SIR 13.0027X, IECEx SIM 14.0008X |
| Code of Protection | Ex d IIC Gb, Ex e IIC Gb, Ex nR IIC Gc, Ex ta IIIC Da, Ex d I Mb, Ex e I Mb |
| Compliance Standards | IEC 60079-0,1,7,15,31 |
| cCSAus Certificate (20s16 - 100) | 2288626 |
| CSAus Code of Protection*** | Class I, Div. 1, 2 Groups A, B, C and D; Class II, Div. 1, 2 Groups E, F and G; Class III, Div. 1, 2; Type 4X: Oil Resistant II:<br>Class I, Zone 1 AEx d IIC Gb, AEx e IIC Gb, Class I, Zone 2 AEx nR IIC Gc, Class I, Zone 20 AEx ta IIIC Da |
| cCSA Code of Protection*** | Class I, Div. 1, 2 Groups A, B, C and D; Class II, Div. 1, 2 Groups E, F and G; Class III, Div. 1, 2; Type 4X: Oil Resistant II:<br>Ex d IIC Gb, Ex e IIC Gb, Ex nR IIC Gc, Ex ta IIIC Da |
| Compliance Standards | CAN/CSA-C22.2 No 0,18,25,30,94,174, CAN/CSA-E60079-0,1,7,31 CAN CSA-E61241-1-1, Part 1-1, ANSI/UL 514B Ed 5, ANSI/UL 50 Ed 11, ANSI/UL 2225 Ed 4, UL60079-0:07 |
| EAC Certificate (Formerly GOST R, K & B) | ТС RU C-GB.ГБ05.В00138 |
| UkrSEPRO | UA.TR.047.C.0644-15 |
| CCOE / PESO (India) Certificate | P333688 |
| NEPSI Certificate | GYJ13.1140X / GYJ13.1282X |
| INMETRO Approval | TÜV 12.2073X |
| RETIE Approval Number | 03866 |
| Marine Approvals | LRS: 01/00172 (E3) DNV: E-13848 ABS: 14-LD234401A-4-PDA, BV: 43180/A1 |
| Ingress Protection Rating | IP66, IP67 & IP68** |
| Deluge Protection Compliance | DTS01 : 91 |
| Cable Gland Material | Electroless Nickel Plated Brass, Brass, Stainless Steel, Aluminium |
| Seal Material | CMP SOLO LSF Halogen Free Thermoset Elastomer / RapidEx Barrier Compound |
| Cable Type | Unarmoured*** |
| Sealing Technique | Unique CMP 'LRS' Outer Seal (Load Retention Seal) |
| Sealing Area(s) | RapidEx Resin Barrier & Cable Outer Sheath |

** Mechanical & Electrical Classifications applied as per IEC 62444 & EN 62444*
*** Refer to page 7 or www.cmp-products.com for further information on Ingress Protection Ratings*
****Where the cable is permitted by code (NEC and/or CEC)*

## Cable Gland Selection Table

Refer to illustration at the top of the page.

Dimensions listed below are for metric cable glands only
Dimensions for alternative threads may vary, please see supplementary technical data sheet

| Cable Gland Size | Available Entry Threads "C" (Alternate Metric Thread Lengths Available) | | | | | Number of Cores | Diameter Over Conductors "A" | Cable Bedding Diameter "G" | Overall Cable Diameter "B" | | Across Flats "D" | Across Corners "D" | Protrusion Length "F" | Combined Ordering Reference (*Brass Metric) | | | Shroud | Cable Gland Weight (Kgs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Standard | | | | Option | | | | | | | | | | | | | |
| | Metric | Thread Length (Metric) "E" | NPT | Thread Length (NPT) "E" | NPT | Max | Max | Max | Min | Max | Max | Max | | Size | Type | Ordering Suffix | | |
| 20s16 | M20 | 15.0 | 1/2" | 19.9 | 3/4" | 11 | 8.6 | 8.6 | 3.1 | 8.6 | 30.0 | 33.0 | 53.1 | 20S16 | PXSS2KREX | 1RA | PVC06 | 0.200 |
| 20S | M20 | 15.0 | 1/2" | 19.9 | 3/4" | 11 | 11.7 | 11.7 | 6.1 | 11.7 | 30.0 | 33.0 | 53.1 | 20S | PXSS2KREX | 1RA | PVC06 | 0.200 |
| 20 | M20 | 15.0 | 1/2" | 19.9 | 3/4" | 11 | 12.6 | 12.9 | 6.5 | 14.0 | 30.0 | 33.0 | 54.2 | 20 | PXSS2KREX | 1RA | PVC06 | 0.200 |
| 25 | M25 | 15.0 | 3/4" | 20.2 | 1" | 21 | 17.5 | 17.9 | 11.1 | 20.0 | 36.0 | 39.6 | 60.0 | 25 | PXSS2KREX | 1RA | PVC09 | 0.330 |
| 32 | M32 | 15.0 | 1" | 25.0 | 1 1/4" | 38 | 23.6 | 23.9 | 17.0 | 26.3 | 41.0 | 45.1 | 61.1 | 32 | PXSS2KREX | 1RA | PVC10 | 0.590 |
| 40 | M40 | 15.0 | 1 1/4" | 25.6 | 1 1/2" | 59 | 30.0 | 30.3 | 22.0 | 32.1 | 50.0 | 55.0 | 62.4 | 40 | PXSS2KREX | 1RA | PVC13 | 0.560 |
| 50S | M50 | 15.0 | 1 1/2" | 26.1 | 2" | 89 | 36.6 | 36.9 | 29.5 | 38.2 | 55.0 | 60.5 | 65.2 | 50S | PXSS2KREX | 1RA | PVC15 | 0.660 |
| 50 | M50 | 15.0 | 2" | 26.9 | 2 1/2" | 89 | 41.0 | 41.3 | 35.6 | 44.0 | 60.0 | 66.0 | 67.6 | 50 | PXSS2KREX | 1RA | PVC18 | 0.730 |
| 63S | M63 | 15.0 | 2" | 26.9 | 2 1/2" | 115 | 47.9 | 48.4 | 40.1 | 49.9 | 70.0 | 77.0 | 71.1 | 63S | PXSS2KREX | 1RA | PVC21 | 1.070 |
| 63 | M63 | 15.0 | 2 1/2" | 39.9 | 3" | 115 | 53.7 | 54.0 | 47.2 | 55.9 | 75.0 | 82.5 | 70.4 | 63 | PXSS2KREX | 1RA | PVC23 | 1.060 |
| 75S | M75 | 15.0 | 2 1/2" | 39.9 | 3" | 140 | 59.9 | 60.2 | 52.8 | 61.9 | 80.0 | 88.0 | 75.3 | 75S | PXSS2KREX | 1RA | PVC25 | 1.300 |
| 75 | M75 | 15.0 | 3" | 41.5 | 3 1/2" | 140 | 64.3 | 64.2 | 59.1 | 67.9 | 85.0 | 93.5 | 74.9 | 75 | PXSS2KREX | 1RA | PVC27 | 1.300 |
| 90 | M90 | 24.0 | 3 1/2" | 42.8 | 4" | 200 | 75.3 | 75.6 | 66.6 | 79.4 | 108.0 | 118.8 | 94.8 | 90 | PXSS2KREX | 1RA | PVC31 | 3.020 |
| 100 | M100 | 24.0 | 3 1/2" | 42.8 | 4" | 200 | 85.6 | 85.9 | 76.0 | 90.9 | 123.0 | 135.3 | 86.3 | 100 | PXSS2KREX | 1RA | LSF33 | 4.000 |

**For material options add the following suffix to the Ordering Reference; Brass (no suffix required); Nickel Plated Brass '5'; 316 Grade Stainless Steel '4'; Copper Free Aluminium '1'*
*For NPT options add the following digits to the material suffix; 1/2" = 31; 3/4" = 32; 1" = 33; 1 1/4" = 34; 1 1/2" = 35; 2" = 36; 2 1/2" = 37; 3" = 38; 3 1/2" = 39; 4" = 310 (Brass requires prefix '0')*

*Examples: 32PXSS2KREX1RA534 = Nickel Plated Brass 1-1/4" NPT, 50SPXSS2KREX1RA035 = Brass 1-1/2" NPT, 25PXSS2KREX1RA432 = Stainless Steel 3/4" NPT, 20PXSS2KREX1RA5 Nickel Plated Brass M20*

*Dimensions are displayed in millimetres unless otherwise stated*