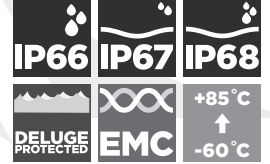


PX2KREX

PX2KREX GLOBALLY APPROVED, EXPLOSIVE ATMOSPHERE RAPIDEX BARRIER CABLE GLAND

FOR ALL TYPES OF ARMoured CABLES

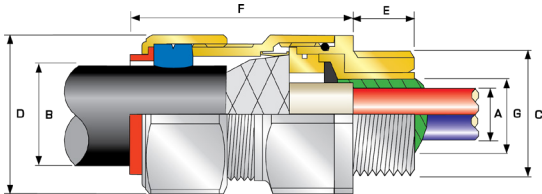
- RapidEx liquid pour sealing system
 - Enhances reliability, reduces risk
 - Reduces man hours
 - Reduces cost
- Metal-to-metal armour clamping
- Direct and remote installation
- Integral protected deluge seal
- Controlled outer load retention seal
- Unique OSTG prevents over tightening
- -60°C to +85°C
- Globally marked, UL, cCSAus, IECEx, ATEX and UKEX
- Superior EMC performance
- As standard in nickel plated brass with NPT thread form
- RapidEx liquid barrier resin seals around internal cable cores after removing any cable inner sheath/bedding; completely eliminating any risk of coldflow



SUPPLIED IN PACK WITH RAPIDEX RESIN

| TECHNICAL CLASSIFICATION | |
|------------------------------|--|
| DESIGN SPECIFICATION | BS 6121: Part 1:1989, IEC 62444, EN 62444 |
| MECHANICAL CLASSIFICATION* | Impact = Level 8, Cable Anchorage = Class D |
| ENCLOSURE PROTECTION | IK10 to IEC 62262 (20 joules) Brass & Stainless Steel only |
| ELECTRICAL CLASSIFICATION* | Category B (Category A when used with braid, tape or pliable wire armour cables) |
| INGRESS PROTECTION RATING** | IP66, IP67 & IP68**** |
| DELUGE PROTECTION COMPLIANCE | DTS01 : 91 |
| CABLE TYPE | Single Wire Armour (SWA), Aluminium Wire Armour (AWA), Wire Braid Armour (e.g. SWB), Screened Flexible (EMC) Wire Braid (e.g. CY / SY), Pliable Wire Armour (PWA), Steel Tape Armour (STA), Strip Armour (e.g. ASA)*** |
| ARMOUR CLAMPING | Detachable Resin Tube / Cone & AnyWay Universal Clamping Ring |
| SEAL MATERIAL | CMP SOLO LSF Halogen Free Thermostet Elastomer / RapidEx Resin Barrier |
| SEALING TECHNIQUE | Unique CMP Outer Seal (Load Retention Seal) |
| SEALING AREA(S) | Inner RapidEx Barrier Seal & Outer Sheath |
| CABLE GLAND MATERIAL | Brass, Electroless Nickel Plated Brass, Stainless Steel, Aluminium |

* Mechanical & Electrical Classifications applied as per IEC 62444 & EN 62444 ** When CMP installation accessories are used. Refer to www.cmp-products.com for further information. ***Where the cable is permitted by code (NEC and/or CEC) **** IP68 tested to a minimum depth of 30 metres for 12 hours, alternative depths / durations can be provided upon request.



PATENT GRANTED: ES 2287986, NO 2287986, TR 2287986, AU 2010284848, AU 2014274614, GB 2485114, SG 178839, US 8872027, US 9484133, US 9774178, MY 153846, US 10193321, US1034078

† Grooved Cone (X) is predominantly used for Wire Braid (e.g. GSWB, TCWB), Steel Tape Armour (STA, DSTA) and Aluminium Strip Armour (ASA) but is also suitable for Single Wire Armour (SWA), Aluminium Wire Armour (AWA) and Pliable Wire Armour (PWA) if the range is outside that of the Stepped Cone (W). Grooved Cone (X) dimensions shown in the Cable Gland Selection Table below are for a double wire strand or braided armour cables. Tapes can also be doubled over. For cables that have only a single layer of armour such as SWA the clamping range should be used as shown in the table below. Stepped (W) Cone is suitable for Single Wire Armour (SWA), or Aluminium Wire Armour (AWA) cables.

| GLOBAL PRODUCT CERTIFICATION | | | |
|-------------------------------|--|---------------------------------|--|
| ATEX CERTIFICATE | CML18ATEX1325X, CML18ATEX4317X | IECEx CERTIFICATE | IECEx CML 18.0182X |
| UKEX CERTIFICATE | CML 21UKEX1214X, CML 21UKEX4215X | | |
| CODE OF PROTECTION | ⊕ II 2G 1D, Ex db IIC Gb, Ex eb IIC Gb, Ex ta IIC Da ⊕ II 3G, Ex nR IIC Gc ⊕ I M2 Ex db I Mb*, Ex eb I Mb* | CODE OF PROTECTION | Ex db IIC Gb, Ex eb IIC Gb, Ex nR IIC Gc, Ex ta IIC Da, Ex db I Mb*, Ex eb I Mb* |
| COMPLIANCE STANDARDS | EN 60079-0,1,7,15,31 | COMPLIANCE STANDARDS | IEC 60079-0,1,7,15,31 |
| cCSAus CERTIFICATE (20S16-90) | 2288626 | | |
| CSAus CODE OF PROTECTION** | Class I, Div 1 and 2, Groups A, B, C, and D; Class II, Div 2, Groups F, and G; Class III, Div 1 and 2; Type 4X; Oil Resistance II; Class I, Zone 1, AEx d IIC Gb, AEx e IIC Gb; Class I, Zone 2, AEx nR IIC Gc | | |
| cCSA CODE OF PROTECTION** | Class I, Div 1 and 2, Groups A, B, C, and D; Class II, Div 2, Groups F and G; Class III, Div 2; Type 4X; Oil Resistance II; Ex nR IIC Gc | | |
| COMPLIANCE STANDARDS | CAN/CSA-C22.2 No 0,18,25,30,174,94, CAN/CSA-C22.2 No 60079-1,7,15,31, CAN/CSA-E61241-1, ANSI/UL 514B, 50, 2225, ANSI/ISA 60079-31, UL60079-0,1,7,15 | | |
| cULus CERTIFICATE (20S16-90) | E161256 | | |
| CODE OF PROTECTION** | Class I Div 1 and 2, Groups A,B,C, and D; Class II Div 1 and 2, Groups F, and G | | |
| COMPLIANCE STANDARDS | UL 2225, CSA C22.2 No 174, UL 514B, CSA C22.2 No 18, CSA C22.2 No 30 | | |
| ECAS CERTIFICATE | 20-02-05624 | UKrSEPRO CERTIFICATE | CL 19.0371X |
| EAC CERTIFICATE | Check website for latest certificate number | | |
| RETIE APPROVAL NUMBER | 03866 | CODE / PESO (INDIA) CERTIFICATE | P444949 |
| CCC CERTIFICATE | 2020322313003190 | INMETRO APPROVAL | TUV 12.2073X |
| KCS CERTIFICATE | 14_GA480_0252X | | |
| MARINE APPROVALS | LRS: 01/00172, DNV: TAE00000Y, ABS: 20-LD1948801-PDA, BV: 43180 | | |

*Aluminium alloys are not permitted in Group I mining applications
**Where the cable is permitted by code (NEC and/or CEC)



| COMBINED ORDERING REFERENCE | | | AVAILABLE ENTRY THREADS 'C' | | NUMBER OF CORES | DIAMETER OVER CONDUCTORS 'A' | CABLE BEDDING DIAMETER 'G' | OVERALL CABLE DIAMETER 'B' | | ARMOUR RANGE* | | | | ACROSS FLATS 'D' | ACROSS CORNERS 'D' | PROTRUSION LENGTH 'F' | SHROUD | CABLE GLAND WEIGHT (kg) |
|-----------------------------|---------|-----------------|-----------------------------|-------------------|-----------------|------------------------------|----------------------------|----------------------------|-------|------------------|------------------|------|------|------------------|--------------------|-----------------------|--------|-------------------------|
| | | | | | | | | | | GROOVED CONE (X) | STEPPED CONE (W) | MIN | MAX | | | | | |
| SIZE | TYPE | ORDERING SUFFIX | METRIC | THREAD LENGTH 'E' | MAX | MAX | MAX | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX | | | |
| 20S16 | PX2KREX | 1RA | M20 | 15.0 | 21 | 11.7 | 11.7 | 6.1 | 13.1 | 0.3 | 1.0 | 0.8 | 1.25 | 30.5 | 33.6 | 62.0 | PVC06 | 0.24 |
| 20S | PX2KREX | 1RA | M20 | 15.0 | 21 | 11.7 | 11.7 | 9.5 | 15.9 | 0.3 | 1.0 | 0.8 | 1.25 | 30.5 | 33.6 | 62.0 | PVC06 | 0.23 |
| 20 | PX2KREX | 1RA | M20 | 15.0 | 21 | 12.6 | 12.9 | 12.5 | 20.9 | 0.4 | 1.0 | 0.8 | 1.25 | 30.5 | 33.6 | 63.0 | PVC06 | 0.24 |
| 25S | PX2KREX | 1RA | M25 | 15.0 | 30 | 17.5 | 17.9 | 14.0 | 22.0 | 0.4 | 1.2 | 1.25 | 1.6 | 37.5 | 41.3 | 69.5 | PVC09 | 0.37 |
| 25 | PX2KREX | 1RA | M25 | 15.0 | 30 | 17.5 | 17.9 | 18.2 | 26.2 | 0.4 | 1.2 | 1.25 | 1.6 | 37.5 | 41.3 | 69.5 | PVC09 | 0.37 |
| 32 | PX2KREX | 1RA | M32 | 15.0 | 50 | 23.6 | 23.9 | 23.7 | 33.9 | 0.4 | 1.2 | 1.6 | 2.0 | 46.0 | 51.6 | 75.0 | PVC11 | 0.57 |
| 40 | PX2KREX | 1RA | M40 | 15.0 | 59 | 30.0 | 30.3 | 27.9 | 40.4 | 0.4 | 1.6 | 1.6 | 2.0 | 55.0 | 60.5 | 75.0 | PVC15 | 0.80 |
| 50S | PX2KREX | 1RA | M50 | 15.0 | 89 | 36.6 | 36.9 | 35.2 | 46.7 | 0.4 | 1.6 | 2.0 | 2.5 | 60.0 | 66.0 | 77.0 | PVC18 | 0.90 |
| 50 | PX2KREX | 1RA | M50 | 15.0 | 89 | 41.0 | 41.3 | 40.4 | 53.0 | 0.6 | 1.6 | 2.0 | 2.5 | 70.0 | 77.0 | 77.0 | PVC21 | 1.19 |
| 63S | PX2KREX | 1RA | M63 | 15.0 | 115 | 47.9 | 48.4 | 45.6 | 59.4 | 0.6 | 1.6 | 2.0 | 2.5 | 75.0 | 82.5 | 79.7 | PVC23 | 1.39 |
| 63 | PX2KREX | 1RA | M63 | 15.0 | 115 | 53.7 | 54.0 | 54.6 | 65.8 | 0.6 | 1.6 | 2.0 | 2.5 | 80.0 | 88.0 | 80.3 | PVC25 | 1.41 |
| 75S | PX2KREX | 1RA | M75 | 15.0 | 140 | 59.9 | 60.2 | 59.0 | 72.0 | 0.6 | 1.6 | 2.0 | 2.5 | 90.0 | 99.0 | 86.8 | PVC28 | 2.09 |
| 75 | PX2KREX | 1RA | M75 | 15.0 | 140 | 64.2 | 64.2 | 66.7 | 78.4 | 0.6 | 1.6 | 2.5 | 3.0 | 100.0 | 110.0 | 88.3 | PVC30 | 2.54 |
| 90 | PX2KREX | 1RA | M90 | 20.0 | 140 | 75.3 | 75.6 | 76.2 | 90.3 | 0.8 | 1.6 | 3.15 | 4.0 | 115.0 | 126.5 | 102.1 | PVC32 | 3.71 |
| 100 | PX2KREX | 1RA | M100 | 20.0 | 200 | 83.6 | 85.9 | 86.1 | 101.4 | 0.8 | 1.6 | 3.15 | 4.0 | 127.0 | 139.7 | 114.0 | LSF33 | 4.31 |

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 please 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: 32PX2KREX1RA534 = Nickel Plated Brass 1 1/4" NPT, 50SPX2KREX1RA035 = Brass 1 1/2" NPT, 25PX2KREX1RA432 = Stainless Steel 3/4" NPT, 20PX2KREX1RA5 = Nickel Plated Brass M20

Dimensions are displayed in millimetres unless otherwise stated