



PX2KREX

Ex e Ex d Ex nR Ex ta

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 & remote installation
- Integral protected deluge seal
- Controlled outer 'load retention' seal
- Unique OSTG prevents overtightening
- -60°C to +85°C
- Globally marked, IECEx, ATEX & cCSAus
- Superior EMC performance



† 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 of braid 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.

TECHNICAL DATA

| | |
|---|--|
| Design Specification | BS 6121:Part 1:1989, IEC 62444, EN 62444 |
| Mechanical Classifications* | Impact = Level 8, Cable Anchorage = Class D |
| Enclosure Protection | IK10 to IEC 62262 (20 joules) Brass & Stainless Steel only |
| Electrical Classifications* | Category B (Category A when used with braid, tape or pliable wire armour cables) |
| ATEX Certificate | CML 18ATEX1325X, CML 18ATEX4317X |
| Code of Protection | ⊕ II 2G, II 1D, Ex db IIC Gb, Ex eb IIC Gb, Ex ta IIIC Da ⊕ II 3G Ex nR IIC Gc, ⊕ IM2 Ex db I Mb, Ex eb I Mb |
| Compliance Standards | EN 60079-0,1,7,15,31 |
| IECEx Certificate | IECEx CML 18.0182X, IECEx SIM 14.0008X |
| Code of Protection | Ex db IIC Gb, Ex eb IIC Gb, Ex nR IIC Gc, Ex ta IIIC Da, Ex db I Mb, Ex eb 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: 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: 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-E60079-0,1,7,15,31 CAN/CSA-E612411 Part 11, ANSI/UL 514B Ed 5, ANSI/UL 50 Ed 11, ANSI/UL 2225 Ed 4, UL60079 |
| EAC Certificate | TC RU C-GB.AA87.B.00487 |
| UkrSEPRO | UA.TR.047.C.0644-15 |
| CCOE / PESO (India) Certificate | P333688 |
| NEPSI Certificate | GYJ18.1252X |
| INMETRO Approval | TUV 12.2073X |
| RETIE Approval Number | 03866 |
| Marine Approvals | LRS: 01/00172 DNV: TAE000000Y ABS: 14-LD234401A-4-PDA, BV: 43180 A1 BV |
| Ingress Protection Rating** | IP66, IP67 & IP68**** |
| Deluge Protection Compliance | DTS01 : 91 |
| Cable Gland Material | Brass, Electroless Nickel Plated Brass, Stainless Steel, Aluminium |
| Seal Material | CMP SOLO LSF Halogen Free Thermoset Elastomer / RapidEx Resin Barrier |
| 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 |
| Sealing Technique | Unique CMP 'LRS' Outer Seal (Load Retention Seal) |
| Sealing Area(s) | Inner RapidEx Barrier Seal & Outer Sheath |

* Mechanical & Electrical Classifications applied as per IEC 62444 & EN 62444

** When CMP installation accessories are used. Refer to page 7 or 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, alternate depths / durations can be provided upon request

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 "C" | Overall Cable Diameter "B" | | | | Armour Range † | | | | Across Flats "D" | Across Corners "D" | Protrusion Length "F" | Combined Ordering Reference (*Brass Metric) | | | Shroud | Cable Gland Weight (Kgs) |
|------------------|---|----------------------------|--------|-------------------------|-----------------|------------------------------|----------------------------|----------------------------|------|-------|-----|----------------|------|------|-------|------------------|--------------------|-----------------------|---|------|-----------------|--------|--------------------------|
| | Standard | | Option | | | | | Min | Max | Min | Max | Min | Max | Min | Max | | | | Size | Type | Ordering Suffix | | |
| | Metric | Thread Length (Metric) "E" | NPT | Thread Length (NPT) "E" | | | | | | | | | | | | | | | | | | | |
| 20S16 | M20 | 15.0 | 1/2" | 19.9 | 3/4" | 21 | 11.7 | 11.7 | 6.1 | 13.1 | 0.3 | 1.0 | 0.8 | 1.25 | 30.5 | 33.6 | 62.0 | 20S16 | PX2KREX | 1RA | PVC06 | 0.24 | |
| 20S | M20 | 15.0 | 1/2" | 19.9 | 3/4" | 21 | 11.7 | 11.7 | 9.5 | 15.9 | 0.3 | 1.0 | 0.8 | 1.25 | 30.5 | 33.6 | 62.0 | 20S | PX2KREX | 1RA | PVC06 | 0.23 | |
| 20 | M20 | 15.0 | 1/2" | 19.9 | 3/4" | 21 | 12.6 | 12.9 | 12.5 | 20.9 | 0.4 | 1.0 | 0.8 | 1.25 | 30.5 | 33.6 | 63.0 | 20 | PX2KREX | 1RA | PVC06 | 0.24 | |
| 25S | M25 | 15.0 | 3/4" | 20.2 | 1" | 30 | 17.5 | 17.9 | 14.0 | 22.0 | 0.4 | 1.2 | 1.25 | 1.6 | 37.5 | 41.3 | 69.5 | 25S | PX2KREX | 1RA | PVC09 | 0.37 | |
| 25 | M25 | 15.0 | 3/4" | 20.2 | 1" | 30 | 17.5 | 17.9 | 18.2 | 26.2 | 0.4 | 1.2 | 1.25 | 1.6 | 37.5 | 41.3 | 69.5 | 25 | PX2KREX | 1RA | PVC09 | 0.37 | |
| 32 | M32 | 15.0 | 1" | 25.0 | 1 1/4" | 50 | 23.6 | 23.9 | 23.7 | 33.9 | 0.4 | 1.2 | 1.6 | 2.0 | 46.0 | 50.6 | 75.0 | 32 | PX2KREX | 1RA | PVC11 | 0.57 | |
| 40 | M40 | 15.0 | 1 1/4" | 25.6 | 1 1/2" | 59 | 30.0 | 30.3 | 27.9 | 40.4 | 0.4 | 1.6 | 1.6 | 2.0 | 55.0 | 60.5 | 75.0 | 40 | PX2KREX | 1RA | PVC15 | 0.80 | |
| 50S | M50 | 15.0 | 1 1/2" | 26.1 | 2" | 89 | 36.6 | 36.9 | 35.2 | 46.7 | 0.4 | 1.6 | 2.0 | 2.5 | 60.0 | 66.0 | 77.0 | 50S | PX2KREX | 1RA | PVC18 | 0.90 | |
| 50 | M50 | 15.0 | 2" | 26.9 | 2 1/2" | 115 | 41.0 | 41.3 | 40.4 | 53.0 | 0.6 | 1.6 | 2.0 | 2.5 | 70.0 | 77.0 | 77.0 | 50 | PX2KREX | 1RA | PVC21 | 1.19 | |
| 63S | M63 | 15.0 | 2 1/2" | 26.9 | 2 1/2" | 115 | 47.9 | 48.4 | 45.6 | 59.4 | 0.6 | 1.6 | 2.0 | 2.5 | 75.0 | 82.5 | 79.7 | 63S | PX2KREX | 1RA | PVC23 | 1.39 | |
| 63 | M63 | 15.0 | 2 1/2" | 39.9 | 3" | 115 | 53.7 | 54.0 | 54.6 | 65.8 | 0.6 | 1.6 | 2.0 | 2.5 | 80.0 | 88.0 | 80.3 | 63 | PX2KREX | 1RA | PVC25 | 1.41 | |
| 75S | M75 | 15.0 | 2 1/2" | 39.9 | 3" | 140 | 59.9 | 60.2 | 59.0 | 72.0 | 0.6 | 1.6 | 2.0 | 2.5 | 90.0 | 99.0 | 86.8 | 75S | PX2KREX | 1RA | PVC28 | 2.09 | |
| 75 | M75 | 15.0 | 3" | 41.5 | 3 1/2" | 140 | 64.2 | 64.2 | 66.7 | 78.4 | 0.6 | 1.6 | 2.5 | 3.0 | 100.0 | 110.0 | 88.3 | 75 | PX2KREX | 1RA | PVC30 | 2.54 | |
| 90 | M90 | 24.0 | 3 1/2" | 42.8 | 4" | 140 | 75.3 | 75.6 | 76.2 | 90.3 | 0.8 | 1.6 | 3.15 | 4.0 | 115.0 | 126.5 | 102.1 | 90 | PX2KREX | 1RA | PVC32 | 3.71 | |
| 100 | M100 | 24.0 | 3 1/2" | 42.8 | 4" | 200 | 85.6 | 85.9 | 86.1 | 101.4 | 0.8 | 1.6 | 3.15 | 4.0 | 127.0 | 139.7 | 114.0 | 100 | PX2KREX | 1RA | LSF33 | 4.27 | |

* For material options add the following suffix to the Ordering Reference; Brass (no suffix required); Nickel Plated Brass 'S'; 316 Grade Stainless Steel '4'; Copper Free Aluminium '1' For NPT options please add the following digits to the material suffix; 1/8" = 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