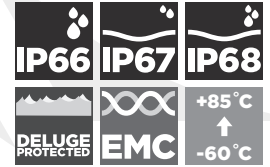
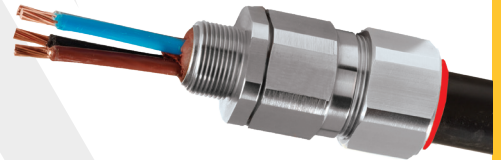


# PX2KPB

**PX2KPB INTERNATIONALLY APPROVED,  
EXPLOSIVE ATMOSPHERE BARRIER CABLE GLAND**

**FOR ALL TYPES OF LEAD SHEATHED ARMoured CABLES**

- Effectively earths / grounds lead sheathed cables
- Metal-to-metal armour clamping
- Direct and remote installation
- Compound barrier type flameproof seal
- Controlled outer load retention seal
- Unique OSTG prevents overtightening
- Integral protected deluge seal
- -60°C to +85°C
- Internationally marked, UKEX, IECEx and ATEX
- Superior EMC performance
- Compound barrier seals around internal cable cores after removing any inner cable sheath/bedding; completely eliminating any risk of coldflow

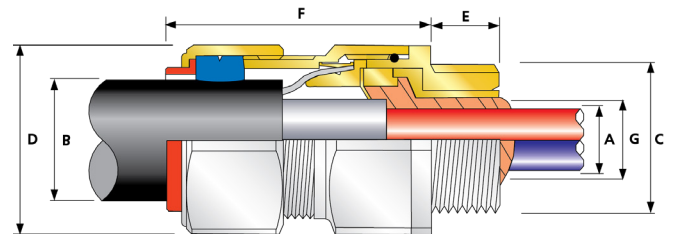


**Ex db Ex eb Ex ta Ex nR**

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

\* Mechanical and Electrical Classifications applied as per IEC 62444 and EN 62444 \*\* When CMP installation accessories are used. Refer to [www.cmp-products.com](http://www.cmp-products.com) for further information.  
\*\*\* IP68 tested to a minimum depth of 30 metres for 12 hours, alternative depths / durations can be provided upon request.

| GLOBAL PRODUCT CERTIFICATION |   |                                |  |
|------------------------------|---|--------------------------------|--|
| ATEX CERTIFICATE             | CML18ATEX1325X, CML18ATEX4317X  | IECEx CERTIFICATE              | IECEx CML 18.0182X   |
| UKEX CERTIFICATE             | CML 21UKEX1214X, CML 21UKEX4215X  | 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 |
| CODE OF PROTECTION           | ⊕ II 2G TD, 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 | COMPLIANCE STANDARDS           | IEC 60079-0, 1, 7, 15, 31  |
| COMPLIANCE STANDARDS         | EN 60079-0, 1, 7, 15, 31  | UkrSEPRO CERTIFICATE           | CLQ 19.0371X   |
| UkrSEPRO CERTIFICATE         | CLQ 19.0371X  | CCO / PESO (INDIA) CERTIFICATE | P444949  |
| RETIE APPROVAL NUMBER        | 03866   | INMETRO APPROVAL               | TUV 12.2073X   |
| CCC CERTIFICATE              | 2020322313003190  | MARINE APPROVALS               | LRs: 01/00172, DNV: TAE00000Y, ABS: 20-LD1948801-PDA, BV: 43180                |



† 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.

| COMBINED ORDERING REFERENCE<br>(*BRASS METRIC) |        |                    | AVAILABLE ENTRY THREADS 'C'<br>(ALTERNATIVE METRIC THREAD LENGTHS AVAILABLE) |                                     |      |                                  |      | NUMBER OF<br>CORES | DIAMETER<br>OVER<br>CONDUCTORS<br>'A' | LEAD SHEATH<br>DIAMETER 'G' |      | OVERALL CABLE<br>DIAMETER 'B' |       |      |     | ARMOUR RANGE † |      |       | ACROSS<br>FLATS 'D' | ACROSS<br>CORNERS<br>'D' | PROTRUSION<br>LENGTH 'F' | SHROUD | CABLE<br>GLAND<br>WEIGHT<br>(kg) |     |     |
|--|--------|--------------------|--|-------------------------------------|------|----------------------------------|------|--------------------|---------------------------------------|-----------------------------|------|-------------------------------|-------|------|-----|----------------|------|-------|---------------------|--------------------------|--------------------------|--------|----------------------------------|-----|-----|
|  |        |                    | STANDARD   |                                     |      | OPTION                           |      |                    |                                       | MIN                         | MAX  | MIN                           |       | MAX  |     | MIN            |      | MAX   |                     |                          |                          |        |                                  |     |     |
| SIZE   | TYPE   | ORDERING<br>SUFFIX | METRIC   | THREAD<br>LENGTH<br>(METRIC)<br>'E' | NPT  | THREAD<br>LENGTH<br>(NPT)<br>'E' | NPT  | MAX                | MAX                                   | MIN                         | MAX  | MIN                           | MAX   | MIN  | MAX | MIN            | MAX  | MIN   | MAX                 | MIN                      | MAX                      | MIN    | MAX                              | MIN | MAX |
| 20S16  | PX2KPB | 1RA                | M20  | 15.0                                | ½"   | 19.9                             | ¾"   | 21                 | 7.8                                   | 3.1                         | 7.8  | 6.1                           | 9.5   | 13.1 | 0.3 | 1.0            | 0.8  | 1.25  | 30.5                | 33.6                     | 62.0                     | PVC06  | 0.25                             |     |     |
| 20   | PX2KPB | 1RA                | M20  | 15.0                                | ½"   | 19.9                             | ¾"   | 21                 | 11.0                                  | 6.1                         | 11.0 | 9.5                           | 15.9  | 0.3  | 1.0 | 0.8            | 1.25 | 30.5  | 33.6                | 62.0                     | PVC06                    | 0.23   |                                  |     |     |
| 20   | PX2KPB | 1RA                | M20  | 15.0                                | ½"   | 19.9                             | ¾"   | 21                 | 12.6                                  | 6.5                         | 13.4 | 12.5                          | 20.9  | 0.4  | 1.0 | 0.8            | 1.25 | 30.5  | 33.6                | 63.0                     | PVC06                    | 0.24   |                                  |     |     |
| 25S  | PX2KPB | 1RA                | M25  | 15.0                                | ¾"   | 20.2                             | 1"   | 30                 | 17.5                                  | 11.1                        | 19.3 | 14.0                          | 22.0  | 0.4  | 1.2 | 1.25           | 1.6  | 37.5  | 41.3                | 69.5                     | PVC09                    | 0.37   |                                  |     |     |
| 25   | PX2KPB | 1RA                | M25  | 15.0                                | ¾"   | 20.2                             | 1"   | 30                 | 17.5                                  | 11.1                        | 19.3 | 18.2                          | 26.2  | 0.4  | 1.2 | 1.25           | 1.6  | 37.5  | 41.3                | 69.5                     | PVC09                    | 0.37   |                                  |     |     |
| 32   | PX2KPB | 1RA                | M32  | 15.0                                | 1"   | 25.0                             | 1 ¼" | 38                 | 23.6                                  | 17.0                        | 25.5 | 23.7                          | 33.9  | 0.4  | 1.2 | 1.6            | 2.0  | 46.0  | 50.6                | 75.0                     | PVC11                    | 0.57   |                                  |     |     |
| 40   | PX2KPB | 1RA                | M40  | 15.0                                | 1 ¼" | 25.6                             | 1 ½" | 59                 | 30.0                                  | 22.0                        | 31.2 | 27.9                          | 40.4  | 0.4  | 1.6 | 1.6            | 2.0  | 55.0  | 60.5                | 75.0                     | PVC15                    | 0.80   |                                  |     |     |
| 50S  | PX2KPB | 1RA                | M50  | 15.0                                | 1 ½" | 26.1                             | 2"   | 89                 | 36.6                                  | 29.5                        | 37.2 | 35.2                          | 46.7  | 0.4  | 1.6 | 2.0            | 2.5  | 60.0  | 66.0                | 77.0                     | PVC18                    | 0.90   |                                  |     |     |
| 50   | PX2KPB | 1RA                | M50  | 15.0                                | 2"   | 26.9                             | 2 ½" | 89                 | 41.0                                  | 35.6                        | 42.6 | 40.4                          | 53.0  | 0.6  | 1.6 | 2.0            | 2.5  | 70.0  | 77.0                | 77.0                     | PVC21                    | 1.19   |                                  |     |     |
| 63S  | PX2KPB | 1RA                | M63  | 15.0                                | 2"   | 26.9                             | 2 ½" | 115                | 47.9                                  | 40.1                        | 48.5 | 45.6                          | 59.4  | 0.6  | 1.6 | 2.0            | 2.5  | 75.0  | 82.5                | 79.7                     | PVC23                    | 1.41   |                                  |     |     |
| 63   | PX2KPB | 1RA                | M63  | 15.0                                | 2 ½" | 39.9                             | 3"   | 115                | 53.7                                  | 47.2                        | 54.2 | 54.6                          | 65.8  | 0.6  | 1.6 | 2.0            | 2.5  | 80.0  | 88.0                | 80.3                     | PVC25                    | 1.44   |                                  |     |     |
| 75S  | PX2KPB | 1RA                | M75  | 15.0                                | 2 ½" | 39.9                             | 3"   | 140                | 59.9                                  | 52.8                        | 60.2 | 59.0                          | 72.0  | 0.6  | 1.6 | 2.0            | 2.5  | 90.0  | 99.0                | 86.8                     | PVC28                    | 2.13   |                                  |     |     |
| 75   | PX2KPB | 1RA                | M75  | 15.0                                | 3"   | 41.5                             | 3 ½" | 140                | 64.2                                  | 59.1                        | 65.2 | 66.7                          | 78.4  | 0.6  | 1.6 | 2.5            | 3.0  | 100.0 | 110.0               | 88.3                     | PVC30                    | 2.57   |                                  |     |     |
| 90   | PX2KPB | 1RA                | M90  | 20.0                                | 3 ½" | 42.8                             | 4"   | 140                | 75.3                                  | 66.6                        | 77.1 | 76.2                          | 90.3  | 0.8  | 1.6 | 3.15           | 4.0  | 115.0 | 126.5               | 102.1                    | PVC32                    | 3.71   |                                  |     |     |
| 100  | PX2KPB | 1RA                | M100   | 20.0                                | 3 ½" | 42.8                             | 4"   | 200                | 83.6                                  | 76.0                        | 88.1 | 86.1                          | 101.4 | 0.8  | 1.6 | 3.15           | 4.0  | 127.0 | 139.7               | 114.0                    | LSF33                    | 4.87   |                                  |     |     |

\* 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: ½" = 31; ¾" = 32; 1" = 33; 1 ¼" = 34; 1 ½" = 35; 2" = 36; 2 ½" = 37; 3" = 38; 3 ½" = 39; 4" = 310 (Brass requires prefix '0')

Examples: 32PX2KPB1RA534 = Nickel Plated Brass 1 ¼" NPT, 50SPX2KPB1RA035 = Brass 1 ½" NPT, 25PX2KPB1RA432 = Stainless Steel ¾" NPT, 20PX2KPB1RA5 = Nickel Plated Brass M20

Dimensions are displayed in millimetres unless otherwise stated