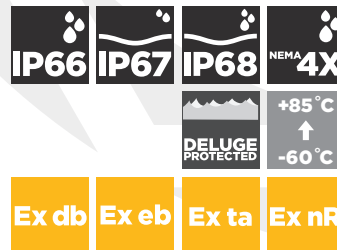
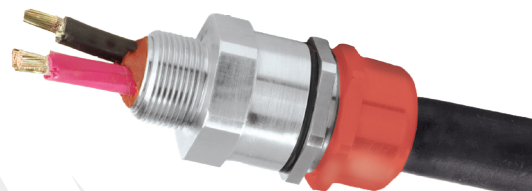


# PXSS2K

**PXSS2K DOUBLE SEAL, GLOBALLY APPROVED, EXPLOSIVE ATMOSPHERE BARRIER CABLE GLAND**

**FOR ALL TYPES OF UNARMoured & BRAIDED CABLES**

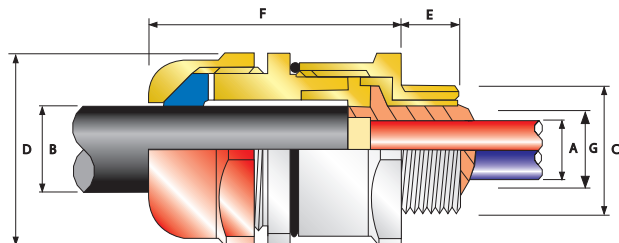
- Direct and remote installation
- Superior levels of cable retention
- Displacement type environmental seal
- Compound barrier type flameproof seal
- Deluge protected
- -60°C to +85°C
- Globally marked, UL, cCSAus, IECEx, ATEX and UKEX
- Compound barrier seals around internal cable cores after removing 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 B                             |
| ENCLOSURE PROTECTION         | IK10 to IEC 62262 (20 joules) Brass and Stainless Steel only           |
| INGRESS PROTECTION RATING**  | IP66, IP67 and IP68****                                                |
| NEMA RATING**                | Type 4X                                                                |
| DELUGE PROTECTION COMPLIANCE | DTS01 : 91                                                             |
| CABLE TYPE                   | Unarmoured***                                                          |
| SEAL MATERIAL                | CMP SOLO LSF Halogen Free Thermoset Elastomer / Epoxy Barrier Compound |
| SEALING TECHNIQUE            | CMP Displacement Seal                                                  |
| SEALING AREA(S)              | Inner Compound Barrier and Outer Sheath                                |
| CABLE GLAND MATERIAL         | Brass, Electroless Nickel Plated Brass, Stainless Steel, Aluminium     |

\* 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.  
\*\*\*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.



| GLOBAL PRODUCT CERTIFICATION |                                                                                                                                                                                                                                                          |                                 |                                                                                  |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|----------------------------------------------------------------------------------|
| ATEX CERTIFICATE             | CML18ATEX1325X, CML18ATEX4317X                                                                                                                                                                                                                           | IECEx CERTIFICATE               | IECEx CML 18.0182X                                                               |
| UKEX CERTIFICATE             | CML 21UKEX1214X, CML 21UKEX4215X                                                                                                                                                                                                                         |                                 |                                                                                  |
| 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*                                                                                                                                                   | 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                                                        |
| cSAus CERTIFICATE            | 2288626                                                                                                                                                                                                                                                  |                                 |                                                                                  |
| cSAus CODE OF PROTECTION***  | Class I, Div 1 and 2, Groups A, B, C, and D; Class II, Div 1 and 2, Groups E, 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; Class I, Zone 20, AEx ta IIC Da |                                 |                                                                                  |
| cCSA CODE OF PROTECTION***   | Class I, Div 1 and 2, Groups A, B, C, and D; Class II, Div 1 and 2, Groups E, F, and G; Class III, Div 1 and 2; Type 4X; Oil Resistance II; Ex d IIC Gb, Ex e IIC Gb, Ex nR IIC Gc, Ex ta IIC Da                                                         |                                 |                                                                                  |
| COMPLIANCE STANDARDS         | CAN/CSA-C22.2 No 0, 18, 25, 30, 174, 94; CAN/CSA-60079-0, 1, 7, 15, 31; CAN/CSA-E61241-1-1; ANSI/UL 514B, ANSI/UL 50, ANSI/UL 2225, UL 60079-0, 1, 7, 15, ANSI/ISA 60079-31, CAN/CSA-E61241-1-1                                                          |                                 |                                                                                  |
| cULus CERTIFICATE (20S-90)   | E201187-19990430, E161256-19990429                                                                                                                                                                                                                       |                                 |                                                                                  |
| 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                                                                                                                                                                       |                                 |                                                                                  |
| UL CERTIFICATE (20S-90)      | E253914-20050328                                                                                                                                                                                                                                         |                                 |                                                                                  |
| CODE OF PROTECTION**         | Class I, Zone 1, AEx d IIC, AEx e II                                                                                                                                                                                                                     |                                 |                                                                                  |
| COMPLIANCE STANDARDS         | UL 2225, UL 514B, UL 60079-0, UL 60079-7, CSA C22.2 No. 1740                                                                                                                                                                                             |                                 |                                                                                  |
| KGS KOSHA CERTIFICATE        | 14-GA4B0-0252X                                                                                                                                                                                                                                           | ECAS CERTIFICATE                | 24-03-106290/E24-03-101155/NB0007                                                |
| EAC CERTIFICATE              | EAC3RUCGBA007B.04595/22                                                                                                                                                                                                                                  | UKRSEPRO CERTIFICATE            | CL19.0371X                                                                       |
| RETE APPROVAL NUMBER         | EL-CS-220061                                                                                                                                                                                                                                             | CCOE / PESO (INDIA) CERTIFICATE | P533772, P548696, P548695                                                        |
| CCC CERTIFICATE              | 2020322313003190                                                                                                                                                                                                                                         | INMETRO APPROVAL                | TUV 12.2073X                                                                     |
| SANS                         | MS-XPL/21.0305 X                                                                                                                                                                                                                                         |                                 |                                                                                  |
| MARINE APPROVALS             | LRS: LR22320739TA, DNV: TAE000000Y, 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'<br>(ALTERNATIVE 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' | SHROUD | CABLE GLAND WEIGHT (kg) |
|-----------------------------|--------|-----------------|------------------------------------------------------------------------------|--------------------------------|------|-------------------------|--------|-----------------|------------------------------|----------------------------|----------------------------|------|------------------|--------------------|-----------------------|--------|-------------------------|
|                             |        |                 | STANDARD                                                                     |                                |      |                         | OPTION |                 |                              |                            |                            |      |                  |                    |                       |        |                         |
| SIZE                        | TYPE   | ORDERING SUFFIX | METRIC                                                                       | MIN THREAD LENGTH (METRIC) 'E' | NPT  | THREAD LENGTH (NPT) 'E' | NPT    | MAX             | MAX                          | MAX                        | MIN                        | MAX  | MAX              | MAX                |                       |        |                         |
| 20S16                       | PXSS2K | 1RA             | M20                                                                          | 15.0                           | ½"   | 19.9                    | ¾"     | 21              | 8.6                          | 8.6                        | 3.1                        | 8.6  | 30.0             | 33.0               | 53.1                  | PVC06  | 0.20                    |
| 20S                         | PXSS2K | 1RA             | M20                                                                          | 15.0                           | ½"   | 19.9                    | ¾"     | 21              | 11.7                         | 11.7                       | 6.1                        | 11.7 | 30.0             | 33.0               | 53.1                  | PVC06  | 0.20                    |
| 20                          | PXSS2K | 1RA             | M20                                                                          | 15.0                           | ½"   | 19.9                    | ¾"     | 21              | 12.6                         | 12.9                       | 6.5                        | 14.0 | 30.0             | 33.0               | 54.2                  | PVC06  | 0.20                    |
| 20L                         | PXSS2K | 1RA             | M20                                                                          | 15.0                           | ½"   | 19.9                    | ¾"     | 21              | 12.6                         | 12.9                       | 10.5                       | 15.9 | 30.0             | 33.0               | 54.2                  | PVC06  | 0.20                    |
| 25                          | PXSS2K | 1RA             | M25                                                                          | 15.0                           | ¾"   | 20.2                    | 1"     | 30              | 17.5                         | 17.9                       | 11.1                       | 20.0 | 36.0             | 39.6               | 60.0                  | PVC09  | 0.33                    |
| 32                          | PXSS2K | 1RA             | M32                                                                          | 15.0                           | 1"   | 25.0                    | 1 ¼"   | 38              | 23.6                         | 23.9                       | 17.0                       | 26.3 | 41.0             | 45.1               | 61.1                  | PVC10  | 0.59                    |
| 32L                         | PXSS2K | 1RA             | M32                                                                          | 15.0                           | 1"   | 25.0                    | 1 ¼"   | 38              | 23.6                         | 23.9                       | 20.0                       | 27.4 | 41.0             | 45.1               | 61.1                  | PVC10  | 0.59                    |
| 40                          | PXSS2K | 1RA             | M40                                                                          | 15.0                           | 1 ¼" | 25.6                    | 1 ½"   | 59              | 30.0                         | 30.3                       | 22.0                       | 32.1 | 50.0             | 55.0               | 62.4                  | PVC13  | 0.56                    |
| 50S                         | PXSS2K | 1RA             | M50                                                                          | 15.0                           | 1 ½" | 26.1                    | 2"     | 89              | 36.6                         | 36.9                       | 29.5                       | 38.2 | 55.0             | 60.5               | 65.2                  | PVC15  | 0.66                    |
| 50                          | PXSS2K | 1RA             | M50                                                                          | 15.0                           | 2"   | 26.9                    | 2 ½"   | 115             | 41.0                         | 41.3                       | 35.6                       | 44.0 | 60.0             | 66.0               | 67.6                  | PVC18  | 0.73                    |
| 63S                         | PXSS2K | 1RA             | M63                                                                          | 15.0                           | 2"   | 26.9                    | 2 ½"   | 115             | 47.9                         | 48.4                       | 40.1                       | 49.9 | 70.0             | 77.0               | 71.1                  | PVC21  | 1.07                    |
| 63                          | PXSS2K | 1RA             | M63                                                                          | 15.0                           | 2 ½" | 39.9                    | 3"     | 115             | 53.7                         | 54.0                       | 47.2                       | 55.9 | 75.0             | 82.5               | 70.4                  | PVC23  | 1.06                    |
| 75S                         | PXSS2K | 1RA             | M75                                                                          | 15.0                           | 2 ½" | 39.9                    | 3"     | 140             | 59.9                         | 60.2                       | 52.8                       | 61.9 | 80.0             | 88.0               | 75.3                  | PVC25  | 1.30                    |
| 75                          | PXSS2K | 1RA             | M75                                                                          | 15.0                           | 3"   | 41.5                    | 3 ½"   | 140             | 64.3                         | 64.2                       | 59.1                       | 67.9 | 85.0             | 93.5               | 74.9                  | PVC27  | 1.30                    |
| 90                          | PXSS2K | 1RA             | M90                                                                          | 20.0                           | 3 ½" | 42.8                    | 4"     | 140             | 75.3                         | 75.6                       | 66.6                       | 79.4 | 108.0            | 118.8              | 94.8                  | PVC31  | 3.02                    |
| 100                         | PXSS2K | 1RA             | M100                                                                         | 20.0                           | 3 ½" | 42.8                    | 4"     | 200             | 83.6                         | 85.9                       | 76.0                       | 90.9 | 123.0            | 135.3              | 86.3                  | LSF33  | 4.00                    |

\*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 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: 32PXSS2K1RA534 = Nickel Plated Brass 1 ¼" NPT, 50SPXSS2K1RA035 = Brass 1 ½" NPT, 25PXSS2K1RA432 = Stainless Steel ¾" NPT, 20PXSS2K1RA5 = Nickel Plated Brass M20

Dimensions are displayed in millimetres unless otherwise stated

Dimensions listed are for metric cable glands only. Dimensions for alternative threads may vary.