



**PXSS2K** Ex e Ex d Ex nR Ex ta

**PXSS2K Double Seal, Globally Approved, Explosive Atmosphere Barrier Cable Gland**

**For all types of Unarmoured & Braided Cables**

- Direct & 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, IECEx, ATEX, UL & cCSAus



TECHNICAL DATA	
<b>Design Specification</b>	BS 6121:Part 1:1989, IEC 62444, EN 62444
<b>Mechanical Classifications*</b>	Impact = Level 8, Cable Anchorage = Class B
<b>Enclosure Protection</b>	IK10 to IEC 62262 (20 joules) Brass & Stainless Steel only
<b>ATEX Certificate</b>	SIRA13ATEX1072X, SIRA13ATEX4078X
<b>Code of Protection</b>	⊕ II 2 GD, II 1D, Ex d IIC Gb, Ex e IIC Gb, Ex ta IIIC Da ⊕ II 3 G Ex nR IIC Gc, ⊕ IM2 Ex d I Mb, Ex e I Mb
<b>Compliance Standards</b>	EN 60079-0,1,7,15,31
<b>IECEx Certificate</b>	IECEx SIR 13.0027X, IECEx SIM 14.0008X
<b>Code of Protection</b>	Ex d IIC Gb, Ex e IIC Gb, Ex nR IIC Gc, Ex ta IIIC Da, Ex d I Mb, Ex e I Mb
<b>Compliance Standards</b>	IEC 60079-0,1,7,15,31
<b>cCSAus Certificate (20S16 - 100)</b>	2288626
<b>CSAus Code of Protection***</b>	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
<b>cCSA Code of Protection***</b>	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
<b>Compliance Standards</b>	CAN/CSA-C22.2 No 0,18,25,30,174,94, CAN/CSA-E60079-0,1,7,15,31, CAN/CSA-E6124111 Part 11, ANSI/UL 514B Ed 5, ANSI/UL 50 Ed 11, ANSI/UL 2225 Ed 4, UL60079
<b>UL Certificate (20S16 - 100)</b>	E201187B, E253914
<b>Code of Protection</b>	Class I, Groups A,B,C,D, Class II, Groups F,G Class I, Zone 1, AEx d IIC, AEx e II
<b>Compliance Standards</b>	UL 2225, CSA C22.2 No 174 UL 2225, UL 514B, UL 60079-0, UL 60079-7
<b>EAC Certificate</b>	TC RU C-GB.AA87.B.00487
<b>UkrSEPRO</b>	UA.TR.047.C.0644-15
<b>KCS Certificate</b>	14-GA4BO-0252X
<b>CCOE / PESO (India) Certificate</b>	P333688
<b>NEPSI Certificate</b>	GYJ13.1140X / GYJ13.1282X
<b>INMETRO Approval</b>	TÜV 12.2073X
<b>RETIE Approval Number</b>	03866
<b>Marine Approvals</b>	LRS: 01/00172 (E3) DNV: TAE000000Y ABS: 14-LD234401A-4-PDA, BV: 43180/A1
<b>Ingress Protection Rating**</b>	IP66, IP67 & IP68****
<b>Deluge Protection Compliance</b>	DTS01 : 91
<b>Cable Gland Material</b>	Brass, Electroless Nickel Plated Brass, Stainless Steel, Aluminium
<b>Seal Material</b>	CMP SOLO LSF Halogen Free Thermoset Elastomer / Epoxy Barrier Compound
<b>Cable Type</b>	Unarmoured***
<b>Sealing Technique</b>	CMP Unique Displacement Seal Concept
<b>Sealing Area(s)</b>	Inner Compound Barrier & 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 "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					Min	Max				Size	Type	Ordering Suffix		
	Metric	Min Thread Length (Metric) "E"	NPT	Thread Length (NPT)	NPT													
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	PXSS2K	1RA	PVC06	0.20
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	PXSS2K	1RA	PVC06	0.20
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	PXSS2K	1RA	PVC06	0.20
20L	M20	15.0	1/2"	19.9	3/4"	11	12.6	12.9	10.0	15.9	30.0	33.0	54.2	20L	PXSS2K	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	PXSS2K	1RA	PVC09	0.33
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	PXSS2K	1RA	PVC10	0.39
32L	M32	15.0	1"	25.0	1 1/4"	38	23.6	23.9	20.0	27.4	41.0	45.1	61.1	32L	PXSS2K	1RA	PVC10	0.59
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	PXSS2K	1RA	PVC13	0.56
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	PXSS2K	1RA	PVC15	0.66
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	PXSS2K	1RA	PVC18	0.73
63S	M63	15.0	2"	26.9	2 1/2"	115	47.9	48.4	40.1	49.9	70.1	77.1	71.1	63S	PXSS2K	1RA	PVC21	1.07
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	PXSS2K	1RA	PVC23	1.06
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	PXSS2K	1RA	PVC25	1.30
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	PXSS2K	1RA	PVC27	1.30
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	PXSS2K	1RA	PVC31	3.02
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	PXSS2K	1RA	LSF33	4.00

\*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: 32PXSS2K1RA534 = Nickel Plated Brass 1 1/4" NPT, 50SPXSS2K1RA035 = Brass 1 1/2" NPT, 25PXSS2K1RA432 = Stainless Steel 3/4" NPT, 20PXSS2K1RA5 = Nickel Plated Brass M20

Dimensions are displayed in millimetres unless otherwise stated