



PX2K

Ex e Ex d Ex nR Ex ta

PX2K Globally Approved, Explosive Atmosphere Barrier Cable Gland

For all types of Armoured cables

- Metal-to-metal armour clamping
- Direct & 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
- Globally marked, IECEx, ATEX, UL & 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	SIRA13ATEX1072X, SIRA13ATEX4078X
Code of Protection	Ⓜ II 2G, II 1D, Ex d IIC Gb, Ex e IIC Gb, Ex ta IIIC Da Ⓜ II 3G Ex nR IIC Gc, Ⓜ IM2 Ex d I Mb, Ex e I Mb
Compliance Standards	EN 60079-0,1,7,15,31
IECEx Certificate	IECEx SIR 13.0027X, IECEx SIM 14.0008X
Code of Protection	Ex d IIC Gb, Ex e IIC Gb, Ex nR IIC Gc, Ex ta IIIC Da, Ex d I Mb, Ex e 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-E6124111 Part 11, ANSI/UL 514B Ed 5, ANSI/UL 50 Ed 11, ANSI/UL 2225 Ed 4, UL60079
UL Certificate (20S16 -100)	E201187, E161256C
Code of Protection	Class I Div 1,2, Groups A,B,C,D, Class II Div 1,2, Groups E,F,G
Compliance Standards	UL 2225, CSA C22.2 No 174, UL 514B, CSA C22.2 No 18, CSA C22.2 No 30
EAC Certificate	TC RU C-GB.AA87.B.00487
UkrSEPRO	UA.TR.047.C.0644-15
KCs KOSHA Certificate	14-GA480-0252X
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 / Epoxy Barrier Compound
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 Compound Tube / Cone & AnyWay Universal Clamping Ring
Sealing Technique	Unique CMP 'LRS' Outer Seal (Load Retention Seal)
Sealing Area(s)	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"	Armour Range †				Across Flats "D"	Across Corners "D"	Protrusion Length "F"	Combined Ordering Reference (*Brass Metric)			Shroud	Cable Gland Weight (Kgs)		
	Standard		Option						Grooved Cone (X)		Stepped Cone (W)					Size	Type	Ordering Suffix				
	Metric	Thread Length (Metric) "E"	NPT	Thread Length (NPT) "E"					Min	Max	Min	Max										
20S16	M20	15.0	1/2"	19.9	3/4"	11	11.7	11.7	6.1	13.1	0.3	1.0	0.8	1.25	30.5	33.6	62.0	20S16	PX2K	1RA	PVC06	0.24
20S	M20	15.0	1/2"	19.9	3/4"	11	11.7	11.7	9.5	15.9	0.3	1.0	0.8	1.25	30.5	33.6	62.0	20S	PX2K	1RA	PVC06	0.23
20	M20	15.0	1/2"	19.9	3/4"	11	12.6	12.9	12.5	20.9	0.4	1.0	0.8	1.25	30.5	33.6	63.0	20	PX2K	1RA	PVC06	0.24
25S	M25	15.0	3/4"	20.2	1"	21	17.5	17.9	14.0	22.0	0.4	1.2	1.25	1.6	37.5	41.3	69.5	25S	PX2K	1RA	PVC09	0.37
25	M25	15.0	3/4"	20.2	1"	21	17.5	17.9	18.2	26.2	0.4	1.2	1.25	1.6	37.5	41.3	69.5	25	PX2K	1RA	PVC09	0.37
32	M32	15.0	1"	25.0	1 1/4"	38	23.6	23.9	23.7	33.9	0.4	1.2	1.6	2.0	46.0	50.6	75.0	32	PX2K	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	PX2K	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	PX2K	1RA	PVC18	0.90
50	M50	15.0	2"	26.9	2 1/2"	89	41.0	41.3	40.4	53.0	0.6	1.6	2.0	2.5	70.0	77.0	77.0	50	PX2K	1RA	PVC21	1.19
63S	M63	15.0	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	PX2K	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	PX2K	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	PX2K	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	PX2K	1RA	PVC30	2.54
90	M90	24.0	3 1/2"	42.8	4"	200	75.3	75.6	76.2	90.3	0.8	1.6	3.15	4.0	115.0	126.5	102.1	90	PX2K	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	PX2K	1RA	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 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: 32PX2K1RA534 = Nickel Plated Brass 1 1/4" NPT, 50SPX2K1RA035 = Brass 1/2" NPT, 25PX2K1RA432 = Stainless Steel 3/4" NPT, 20PX2K1RA5 = Nickel Plated Brass M20

Dimensions are displayed in millimetres unless otherwise stated