



PX2KXREX



PX2KXREX Globally Approved, Explosive Atmosphere RapidEx Barrier Cable Gland

For all types of Braided & Tape 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, TCVWB), 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.

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, Ex eb IIC Gb, Ex ta IIC 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 IIC Da, Ex db I Mb, Ex eb I Mb
Compliance Standards	IEC 60079-0,1,7,15,31
cCSAus Certificate (20516 - 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 IIC 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 IIC Da
Compliance Standards	CAN/CSA-C22.2 No 0,18,25,30,94,174, CAN/CSA-E60079-0,1,7,31 CAN/CSA-E6124111 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	GY18.1252X
INMETRO Approval	TÜV 12.2073X
RETIE Approval Number	03866
Marine Approvals	LRS: 01/00172 DNV: TAE00000Y 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 Screened Flexible (EMC) Wire Braid (e.g. CY / SY), Pliable Wire Armour (PWA), Steel Tape Armour (STA), Wire Braid Armour (e.g. SWB), Aluminium Strip Armour (ASA), Armoured & Jacketed***
Cable Type	
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 "G"	Overall Cable Diameter "B"		Armour Range † Grooved Cone (X)		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	Size				Type	Ordering Suffix			
	Metric	Thread Length (Metric) "E"	NPT														Thread Length (NPT) "E"		
20516	M20	15.0	1/2"	19.9	3/4"	21	11.7	6.1	13.1	0.3	1.0	30.5	33.6	62.0	20516	PX2KXREX	1RA	PVC06	0.240
205	M20	15.0	1/2"	19.9	3/4"	21	11.7	9.5	15.9	0.3	1.0	30.5	33.6	62.0	205	PX2KXREX	1RA	PVC06	0.230
20	M20	15.0	1/2"	19.9	3/4"	21	12.6	12.5	20.9	0.4	1.0	30.5	33.6	63.0	20	PX2KXREX	1RA	PVC06	0.240
255	M25	15.0	3/4"	20.2	1"	30	17.5	14.0	22.0	0.4	1.2	37.5	41.3	69.5	255	PX2KXREX	1RA	PVC09	0.370
25	M25	15.0	3/4"	20.2	1"	30	17.5	18.2	26.2	0.4	1.2	37.5	41.3	69.5	25	PX2KXREX	1RA	PVC09	0.370
32	M32	15.0	1"	25.0	1 1/4"	50	23.6	23.7	33.9	0.4	1.2	46.0	50.6	75.0	32	PX2KXREX	1RA	PVC11	0.570
40	M40	15.0	1 1/4"	25.6	1 1/2"	59	30.0	27.9	40.4	0.4	1.6	55.0	60.5	75.0	40	PX2KXREX	1RA	PVC15	0.800
505	M50	15.0	1 1/2"	26.1	2"	89	36.6	35.2	46.7	0.4	1.6	60.0	66.0	77.0	505	PX2KXREX	1RA	PVC18	0.900
50	M50	15.0	2"	26.9	2 1/2"	115	41.0	40.4	53.0	0.6	1.6	70.0	77.0	77.0	50	PX2KXREX	1RA	PVC21	1.190
635	M63	15.0	2"	26.9	2 1/2"	115	47.9	45.6	59.4	0.6	1.6	75.0	82.5	79.7	635	PX2KXREX	1RA	PVC23	1.390
63	M63	15.0	2 1/2"	39.9	3"	115	53.7	54.0	65.8	0.6	1.6	80.0	88.0	80.3	63	PX2KXREX	1RA	PVC25	1.410
755	M75	15.0	2 1/2"	39.9	3"	140	59.9	59.0	72.0	0.6	1.6	90.0	99.0	86.8	755	PX2KXREX	1RA	PVC28	2.090
75	M75	15.0	3"	41.5	3 1/2"	140	64.2	66.7	78.4	0.6	1.6	100.0	110.0	88.3	75	PX2KXREX	1RA	PVC30	2.540
90	M90	24.0	3 1/2"	42.8	4"	140	75.3	75.6	90.3	0.8	1.6	115.0	126.5	102.1	90	PX2KXREX	1RA	PVC32	3.710
100	M100	24.0	3 1/2"	42.8	4"	200	85.6	85.9	101.4	0.8	1.6	127.0	139.7	114.0	100	PX2KXREX	1RA	LSF33	4.810

*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; 1/2" = 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: 32PX2KXREX1RA534 = Nickel Plated Brass 1 1/4" NPT, 50SPX2KXREX1RA035 = Brass 1 1/2" NPT, 25PX2KXREX1RA432 = Stainless Steel 3/4" NPT, 20PX2KXREX1RA5 = Nickel Plated Brass M20

Dimensions are displayed in millimetres unless otherwise stated