


RAPIDEx
PX2KREX

Ex e Ex d Ex nR Ex ta

PX2KREX Globally Approved, Hazardous (Classified) Location Barrier Cable Gland

For all types of Armoured cables

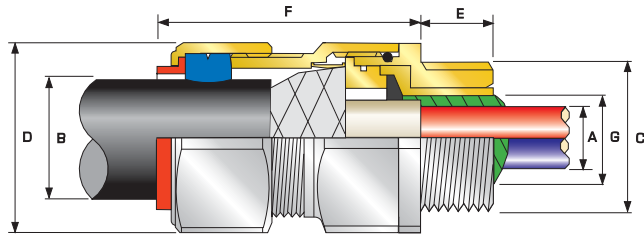
- RapidEx liquid pour sealing system
 - Enhances reliability, reduces risk
 - Reduces man hours
 - Reduces cost
- Metal-to-metal armour clamping
- Direct & remote installation
- Integral protected deluge seal
- Disconnectable, union feature design
- Controlled outer 'load retention' seal
- Unique OSTG prevents overtightening
- 76°F to 185°F / -60°C to 85°C
- Class I Zone 1, 21 and Zone 2, 22 Class I Division 1 & 2 ABCD
- Globally marked, cCSAus, IECEx & ATEX
- EMC tested
- As standard in nickel plated brass with NPT thread form



† 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).

Note: 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, Retention = 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	Ex II 2G, II 1D, Ex d IIC Gb, Ex e IIC Gb, Ex ta IIC Da Ex II 3G Ex nR IIC Gc, Ex 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 IIC Da, Ex d I Mb, Ex e I Mb
Compliance Standards	IEC 60079-0, 1, 7, 15, 31
cCSAus Certificate (20s16 - 90)	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, 15, 31 CAN/CSA-E61241-1-1 Part 1-1, ANSI/UL 514B Ed 5, ANSI/UL 50 Ed 11, ANSI/UL 2225 Ed 4, UL60079
EAC Certificate (Formerly GOST R, K & B)	TC RU C-GB. ГБ05.В.00138
UkrSEPRO	UA.TR.047.C.0644-15
CCOE / PESO (India) Certificate	P333688
NEPSI Certificate	GYJ13.1140X / GYJ13.1282X
INMETRO Approval	TÜV 12.2073X
RETIE Approval Number	03866
Marine Approvals	LRS: 01/00172 (E3) DNV: E-13848 ABS: 14-LD234401A-4-PDA, BV: 43180/A1
Ingress Protection Rating	IP66, IP67 & IP68**
Deluge Protection Compliance	DT501 : 91
Cable Gland Material	Brass, Electroless Nickel Plated Brass, Stainless Steel, Aluminium
Seal Material	CMP SOLO LSF Halogen Free Thermoset Elastomer / RapidEx Resin Barrier
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 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

** Refer to page 7 or www.cmp-products.com for further information on Ingress Protection Ratings

***Where the cable is permitted by code (NEC and/or CEC)

Cable Gland Selection Table

Refer to illustration at the top of the page.

Dimensions listed below are for NPT 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 (*Nickel Plated Brass NPT)			Shroud	Cable Gland Weight (Ozs)
	NPT	NPT (Option)	Metric (Option)	Thread Length (NPT) "E"	Grooved Cone (X)						Stepped Cone (W)		Size	Type					Ordering Suffix				
					Min						Max	Min								Max	Max		
20s16	1/2"	3/4"	M20	0.78	11	0.461	0.461	0.240	0.516	0.012	0.040	0.031	0.049	1.201	1.321	2.441	20S16	PX2KREX	1RA531	PVC06	8.466		
20S	1/2"	3/4"	M20	0.78	11	0.461	0.461	0.374	0.626	0.012	0.040	0.031	0.049	1.201	1.321	2.441	20S	PX2KREX	1RA531	PVC06	8.113		
20	1/2"	3/4"	M20	0.78	11	0.496	0.508	0.492	0.823	0.016	0.040	0.031	0.049	1.201	1.321	2.480	20	PX2KREX	1RA531	PVC06	8.466		
25S	3/4"	1"	M25	0.80	21	0.689	0.703	0.551	0.866	0.016	0.048	0.049	0.063	1.476	1.624	2.736	25S	PX2KREX	1RA532	PVC09	13.051		
25	3/4"	1"	M25	0.80	21	0.689	0.703	0.717	1.031	0.016	0.048	0.049	0.063	1.476	1.624	2.736	25	PX2KREX	1RA532	PVC09	13.051		
32	1"	1 1/4"	M32	0.98	38	0.929	0.941	0.933	1.335	0.016	0.048	0.063	0.079	1.811	1.992	2.953	32	PX2KREX	1RA533	PVC11	20.106		
40	1 1/4"	1 1/2"	M40	1.01	59	1.181	1.193	1.098	1.591	0.016	0.062	0.063	0.079	2.165	2.382	2.953	40	PX2KREX	1RA534	PVC15	28.219		
50S	1 1/2"	2"	M50	1.03	89	1.441	1.453	1.386	1.839	0.016	0.062	0.079	0.098	2.362	2.598	3.031	50S	PX2KREX	1RA535	PVC18	31.747		
50	2"	2 1/2"	M50	1.06	89	1.614	1.626	1.591	2.087	0.024	0.062	0.079	0.098	2.756	3.031	3.031	50	PX2KREX	1RA536	PVC21	41.976		
63S	2"	2 1/2"	M63	1.06	115	1.886	1.906	1.795	2.339	0.024	0.062	0.079	0.098	2.953	3.248	3.138	63S	PX2KREX	1RA536	PVC23	49.031		
63	2 1/2"	3"	M63	1.57	115	2.114	2.126	2.150	2.591	0.024	0.062	0.079	0.098	3.150	3.465	3.161	63	PX2KREX	1RA537	PVC25	49.736		
75S	2 1/2"	3"	M75	1.57	140	2.358	2.370	2.323	2.835	0.024	0.062	0.079	0.098	3.543	3.898	3.417	75S	PX2KREX	1RA537	PVC28	73.723		
75	3"	3 1/2"	M75	1.63	140	2.528	2.528	2.626	3.087	0.024	0.062	0.098	0.118	3.937	4.331	3.476	75	PX2KREX	1RA538	PVC30	89.596		
90	3 1/2"	4"	M90	1.69	200	2.965	2.976	3.000	3.555	0.032	0.062	0.124	0.157	4.528	4.980	4.020	90	PX2KREX	1RA539	PVC32	130.866		
100	3 1/2"	4"	M100	1.69	200	3.370	3.382	3.390	3.992	0.032	0.062	0.124	0.157	5.000	5.500	4.488	100	PX2KREX	1RA5310	LSF33	169.668		

* Note: For material options please change the suffix in the Ordering Reference; Brass (no suffix required), Nickel Plated Brass "S" (as standard), 316 Grade Stainless Steel "4", Copper Free Aluminium "1" For NPT options please change the following digits after 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: 32PX2KREX1RA534 = Nickel Plated Brass 1-1/4" NPT, 50SPX2KREX1RA035 = Brass 1-1/2" NPT, 25PX2KREX1RA432 = Stainless Steel 3/4" NPT, 20PX2KREX1RA5 Nickel Plated Brass M20

Dimensions are displayed in inches unless otherwise stated