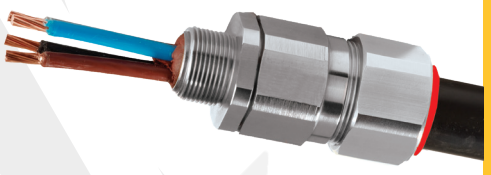
PX2KPB

PX2KPB INTERNATIONALLY APPROVED, EXPLOSIVE ATMOSPHERE BARRIER CABLE GLAND



FOR ALL TYPES OF LEAD SHEATHED ARMOURED CABLES

- Effectively earths / grounds lead sheathed 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
- Internationally marked, IECEx & ATEX
- Superior EMC performance
- Once any cable inner sheath/bedding has been removed, the compound barrier seals directly around the internal cable cores, after the inner sheath/bedding has been removed, completely eliminating any risk of coldflow on all cable types

IP66 IP67 IP68

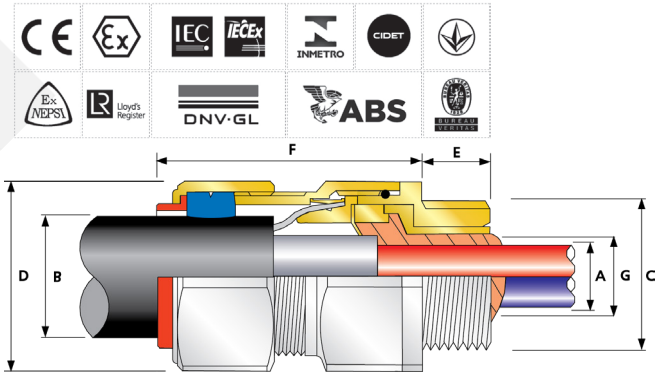
DELUGE PROTECTED | EMC | +85˚C ↑ -60˚C

Ex eb | Ex db | Ex ta | ExnR

TECHNICAL CLASSIFICATION	
DESIGN SPECIFICATION	BS 6121:Part 1:1989, IEC 62444, EN 62444
MECHANICAL CLASSIFICATION*	Impact = Level 8, Cable Anchorage = Class D
ENCLOSURE PROTECTION	IK10 to IEC 62262 (20 joules) Brass & Stainless Steel only
ELECTRICAL CLASSIFICATION*	Category B (Category A when used with braid, tape or pliable wire armour cables)
INGRESS PROTECTION RATING**	IP66, IP67 & IP68***
DELUGE PROTECTION COMPLIANCE	DTS01 : 91
CABLE TYPE	Lead Sheathed & Single Wire Armour (LC/SWA), Lead Sheathed & Aluminium Wire Armour (LC/AWA), Lead Sheathed & Wire Braid Armour (LC/SWB), Lead Sheathed & Pliable Wire Armour (LC/PWA), Lead Sheathed & Steel Tape Armour (LC/STA), Lead Sheathed & Aluminium Strip Armour (LC/ASA)
SEAL MATERIAL	CMP SOLO LSF Halogen Free Thermoset Elastomer / Epoxy Barrier Compound
SEALING TECHNIQUE	Unique CMP 'LRS' Outer Seal (Load Retention Seal)
SEALING AREA(S)	Inner Compound Barrier & Outer Sheath
CABLE GLAND MATERIAL	Brass, Electroless Nickel Plated Brass, Stainless Steel, Aluminium
ARMOUR CLAMPING	Detachable Compound Tube / Cone & AnyWay Universal Clamping Ring

* Mechanical & Electrical Classifications applied as per IEC 62444 & EN 62444 ** When CMP installation accessories are used. Refer to www.cmp-products.com for further information. *** IP68 tested to a minimum depth of 30 metres for 12 hours, alternate depths / durations can be provided upon request.

GLOBAL PRODUCT CERTIFICATION			
ATEX CERTIFICATE	CML18ATEX1325X, CML18ATEX4317X	IECEx CERTIFICATE	IECEx CML 18.0182X, IECEx SIM 14.0008X
CODE OF PROTECTION	Ⓔx II 2G 1D, Ex db IIC Gb, Ex eb IIC Gb, Ex ta IIIC Da, Ⓔx II 3G Ex nR IIC Gc, Ⓔx 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 IIIC 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
UkrSEPRO	СЦ 19.0371X		
RETIE APPROVAL NUMBER	03866	CCOE / PESO (INDIA) CERTIFICATE	P444949
NEPSI CERTIFICATE	GYJ18.1252X	INMETRO APPROVAL	TÜV 12.2073X
MARINE APPROVALS	LRS: 01/00172, DNV: E-13848, ABS: 14-LD234401A-4-PDA, BV: 43180 A1 BV		



† 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.

COMBINED ORDERING REFERENCE (*BRASS METRIC)			AVAILABLE ENTRY THREADS "C" (ALTERNATE METRIC THREAD LENGTHS AVAILABLE)					NUMBER OF CORES	DIAMETER OVER CONDUCTORS "A"	LEAD SHEATH DIAMETER "G"		OVERALL CABLE DIAMETER "B"		ARMOUR RANGE†				ACROSS FLATS "D"	ACROSS CORNERS "D"	PROTRUSION LENGTH "F"	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"	NPT	MAX	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MAX	MAX			
20S16	PX2KPB	1RA	M20	15.0	½"	19.9	¾"	21	7.8	3.1	7.8	6.1	13.1	0.3	1.0	0.8	1.25	30.5	33.6	62.0	PVC06	0.25
20S	PX2KPB	1RA	M20	15.0	½"	19.9	¾"	21	11.0	6.1	11.0	9.5	15.9	0.3	1.0	0.8	1.25	30.5	33.6	62.0	PVC06	0.23
20	PX2KPB	1RA	M20	15.0	½"	19.9	¾"	21	12.6	6.5	13.4	12.5	20.9	0.4	1.0	0.8	1.25	30.5	33.6	63.0	PVC06	0.24
25S	PX2KPB	1RA	M25	15.0	¾"	20.2	1"	30	17.5	11.1	19.3	14.0	22.0	0.4	1.2	1.25	1.6	37.5	41.3	69.5	PVC09	0.37
25	PX2KPB	1RA	M25	15.0	¾"	20.2	1"	30	17.5	11.1	19.3	18.2	26.2	0.4	1.2	1.25	1.6	37.5	41.3	69.5	PVC09	0.37
32	PX2KPB	1RA	M32	15.0	1"	25.0	1 ¼"	38	23.6	17.0	25.5	23.7	33.9	0.4	1.2	1.6	2.0	46.0	50.6	75.0	PVC11	0.57
40	PX2KPB	1RA	M40	15.0	1 ¼"	25.6	1 ½"	59	30.0	22.0	31.2	27.9	40.4	0.4	1.6	1.6	2.0	55.0	60.5	75.0	PVC15	0.80
50S	PX2KPB	1RA	M50	15.0	1 ½"	26.1	2"	89	36.6	29.5	37.2	35.2	46.7	0.4	1.6	2.0	2.5	60.0	66.0	77.0	PVC18	0.90
50	PX2KPB	1RA	M50	15.0	2"	26.9	2 ½"	115	41.0	35.6	42.6	40.4	53.0	0.6	1.6	2.0	2.5	70.1	77.1	77.0	PVC21	1.19
63S	PX2KPB	1RA	M63	15.0	2"	26.9	2 ½"	115	47.9	40.1	48.5	45.6	59.4	0.6	1.6	2.0	2.5	75.0	82.5	79.7	PVC23	1.41
63	PX2KPB	1RA	M63	15.0	2 ½"	39.9	3"	115	53.7	47.2	54.2	54.6	65.8	0.6	1.6	2.0	2.5	80.0	88.0	80.3	PVC25	1.44
75S	PX2KPB	1RA	M75	15.0	2 ½"	39.9	3"	140	59.9	52.8	60.2	59.0	72.0	0.6	1.6	2.0	2.5	90.0	99.0	86.8	PVC28	2.13
75	PX2KPB	1RA	M75	15.0	3"	41.5	3 ½"	140	64.2	59.1	65.2	66.7	78.4	0.6	1.6	2.5	3.0	100.0	110.0	88.3	PVC30	2.57
90	PX2KPB	1RA	M90	24.0	3 ½"	42.8	4"	140	75.3	66.6	77.1	76.2	90.3	0.8	1.6	3.15	4.0	115.0	126.5	102.1	PVC32	3.75
100	PX2KPB	1RA	M100	24.0	4"	44.0	5"	200	85.6	76.0	88.1	86.1	101.4	0.8	1.6	3.15	4.0	127.0	139.7	114.0	LSF33	4.87

*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; 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: 32PX2KPB1RA534 = Nickel Plated Brass 1¼" NPT, 50SPX2KPB1RA035 = Brass 1½" NPT, 25PX2KPB1RA432 = Stainless Steel ¾" NPT, 20PX2KPB1RA5 = 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, please see supplementary technical data sheet.