PX2KXREX

RAPID Ex

PX2KXREX GLOBALLY APPROVED, EXPLOSIVE ATMOSPHERE RAPIDEX BARRIER CABLE GLAND

FOR ALL TYPES OF BRAIDED & TAPE ARMOURED CABLES

- RapidEx liquid pour sealing system reduces installation time
- Metal-to-metal armour clamping
- Direct and remote installation
- Integral protected deluge seal
- Controlled outer load retention seal
- Unique OSTG prevents over tightening
- -60˚C to +85˚C
- Globally marked, UL, cCSAus, IECEx, ATEX and UKEX
- Superior EMC performance
- RapidEx liquid barrier resin seals around internal cable cores after removing any cable inner sheath/ bedding; completely eliminating any risk of coldflow

IP66 IP67 IP68 NEMA 4X

DELUGE PROTECTED EMC +85˚C -60˚C

Ex db Ex eb Ex ta Ex nR

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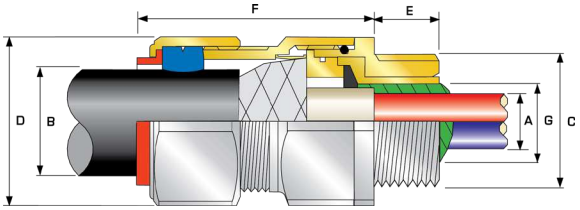
EXPLOSIVE ATMOSPHERE RAPIDEX CABLE GLANDS

TECHNICAL CLASSIFICATION

DESIGN SPECIFICATION	BS 6121:Part 1:1989, IEC 62444, EN 62444
MECHANICAL CLASSIFICATION*	Impact = Level 8, Cable Anchorage = Type B
ENCLOSURE PROTECTION	IK10 to IEC 62262 (20 joules) Brass and Stainless Steel only
ELECTRICAL CLASSIFICATION*	Category B (Category A when used with braid, tape or pliable wire armour cables)
INGRESS PROTECTION RATING**	IP66, IP67 and IP68****
NEMA RATING**	Type 4X
DELUGE PROTECTION COMPLIANCE	DTS01 : 91
CABLE TYPE	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 and Jacketed***
ARMOUR CLAMPING	Detachable Resin Tube / Cone and AnyWay Universal Clamping Ring
SEAL MATERIAL	CMP SOLO LSF Halogen Free Thermoset Elastomer / RapidEx Resin Barrier
SEALING TECHNIQUE	CMP Outer Load Retention Seal and Inner RapidEx Barrier Seal
SEALING AREA(S)	Inner RapidEx Barrier Seal and Outer Sheath
CABLE GLAND MATERIAL	Brass, Electroless Nickel Plated Brass, Stainless Steel, Aluminium

* Mechanical and Electrical Classifications applied as per IEC 62444 and EN 62444 ** When CMP installation accessories are used. Refer to 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, alternative depths / durations can be provided upon request.



PATENT GRANTED: ES 2287986, NO 2287986, TR 2287986, AU 2010284848, AU 2014274614, GB 2485114, SG 178839, US 8872027, US 9484133, US 9774178, MY 153846, US 10193321, US1034078

† 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.

GLOBAL PRODUCT CERTIFICATION

ATEX CERTIFICATE	CML18ATEX1325X, CML18ATEX4317X	IECEx CERTIFICATE	IECEx CML 18.0182X
UKEX CERTIFICATE	CML 21UKEX1214X, CML 21UKEX4215X		
CODE OF PROTECTION	Ⓔx II 2G 1D, Ex db IIC, 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
cCSAus CERTIFICATE (20S16 - 90)	2288626		
CSAus CODE OF PROTECTION**	Class I, Div 1 and 2, Groups A, B, C, and D; Class II, Div 1 and 2, Groups E, F, and G; Class III, Div 1 and 2; Type 4X; Oil Resistance 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 and 2, Groups A, B, C, and D; Class II, Div 1 and 2, Groups E, F, and G; Class III, Div 1 and 2; Type 4X; Oil Resistance 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, 174, 94, CSA-C22.2 No 60079-0,1,7,15,31, CAN/CSA-E61241-1-1, ANSI/UL 514B, 50, 2225, ANSI/ISA 60079-31, UL60079-0,1,7,15		
ECAS CERTIFICATE	20-02-05624	UkrSEPRO CERTIFICATE	СЦ 19.0371X
EAC CERTIFICATE	Check website for latest certificate number		
RETIE APPROVAL NUMBER	03866	CCOE / PESO (INDIA) CERTIFICATE	P444949
CCC CERTIFICATE	2020322313003190	INMETRO APPROVAL	TÜV 12.2073X
MARINE APPROVALS	LRS: 01/00172, DNV: TAE000000Y, ABS: 20-LD1948801-PDA, BV: 43180		

*Aluminium alloys are not permitted in Group I mining applications
**Where the cable is permitted by code (NEC and/or CEC)

COMBINED ORDERING REFERENCE (*BRASS METRIC)			AVAILABLE ENTRY THREADS 'C' (ALTERNATIVE 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'	SHROUD	CABLE GLAND WEIGHT (kg)
			STANDARD				OPTION												
SIZE	TYPE	ORDERING SUFFIX	METRIC	THREAD LENGTH (METRIC) 'E'	NPT	THREAD LENGTH (NPT) 'E'	NPT	MAX	MAX	MAX	MIN	MAX	MIN	MAX	MAX	MAX			
20S16	PX2KXREX	1RA	M20	15.0	½"	19.9	¾"	21	11.7	11.7	6.1	13.1	0.3	1.0	30.5	33.6	62.0	PVC06	0.240
20S	PX2KXREX	1RA	M20	15.0	½"	19.9	¾"	21	11.7	11.7	9.5	15.9	0.3	1.0	30.5	33.6	62.0	PVC06	0.230
20	PX2KXREX	1RA	M20	15.0	½"	19.9	¾"	21	12.6	12.9	12.5	20.9	0.4	1.0	30.5	33.6	63.0	PVC06	0.240
25S	PX2KXREX	1RA	M25	15.0	¾"	20.2	1"	30	17.5	17.9	14.0	22.0	0.4	1.2	37.5	41.3	69.5	PVC09	0.370
25	PX2KXREX	1RA	M25	15.0	¾"	20.2	1"	30	17.5	17.9	18.2	26.2	0.4	1.2	37.5	41.3	69.5	PVC09	0.370
32	PX2KXREX	1RA	M32	15.0	1"	25.0	1 ¼"	50	23.6	23.9	23.7	33.9	0.4	1.2	46.0	50.6	75.0	PVC11	0.570
40	PX2KXREX	1RA	M40	15.0	1 ¼"	25.6	1 ½"	59	30.0	30.3	27.9	40.4	0.4	1.6	55.0	60.5	75.0	PVC15	0.800
50S	PX2KXREX	1RA	M50	15.0	1 ½"	26.1	2"	89	36.6	36.9	35.2	46.7	0.4	1.6	60.0	66.0	77.0	PVC18	0.900
50	PX2KXREX	1RA	M50	15.0	2"	26.9	2 ½"	115	41.0	41.3	40.4	53.0	0.6	1.6	70.0	77.0	77.0	PVC21	1.190
63S	PX2KXREX	1RA	M63	15.0	2"	26.9	2 ½"	115	47.9	48.4	45.6	59.4	0.6	1.6	75.0	82.5	79.7	PVC23	1.390
63	PX2KXREX	1RA	M63	15.0	2 ½"	39.9	3"	115	53.7	54.0	54.6	65.8	0.6	1.6	80.0	88.0	80.3	PVC25	1.410
75S	PX2KXREX	1RA	M75	15.0	2 ½"	39.9	3"	140	59.9	60.2	59.0	72.0	0.6	1.6	90.0	99.0	86.8	PVC28	2.090
75	PX2KXREX	1RA	M75	15.0	3"	41.5	3 ½"	140	64.2	64.2	66.7	78.4	0.6	1.6	100.0	110.0	88.3	PVC30	2.540
90	PX2KXREX	1RA	M90	20.0	3 ½"	42.8	4"	140	75.3	75.6	76.2	90.3	0.8	1.6	115.0	126.5	102.1	PVC32	3.710
100	PX2KXREX	1RA	M100	20.0	3 ½"	42.8	4"	200	83.6	85.9	86.1	101.4	0.8	1.6	127.0	139.7	114.0	LSF33	4.810

*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 ; 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: 32PX2KXREX1RA534 = Nickel Plated Brass 1 ¼" NPT, 50SPX2KXREX1RA035 = Brass 1 ½" NPT, 25PX2KXREX1RA432 = Stainless Steel ¾" NPT, 20PX2KXREX1RA5 = Nickel Plated Brass M20
Dimensions are displayed in millimetres unless otherwise stated