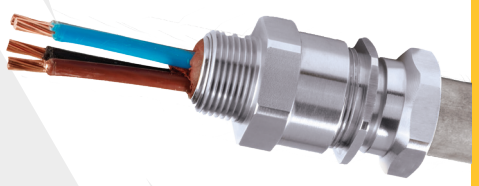
PXRC

PXRC INTERNATIONALLY APPROVED, RIGID & FLEXIBLE CONDUIT EXPLOSIVE ATMOSPHERE BARRIER CABLE GLAND



FOR ALL TYPES OF UNARMOURED CABLES

- Designed for rigid and flexible conduits
- Easy install running coupler design
- Compound barrier type flameproof seal
- -60˚C to +85˚C
- Internationally marked, UKEX, IECEx and ATEX
- Compound barrier seals around internal cable cores after removing any inner cable sheath/bedding; completely eliminating any risk of coldflow

IP66

+85˚C
-60˚C

Ex db | Ex eb | Ex ta | Ex nR

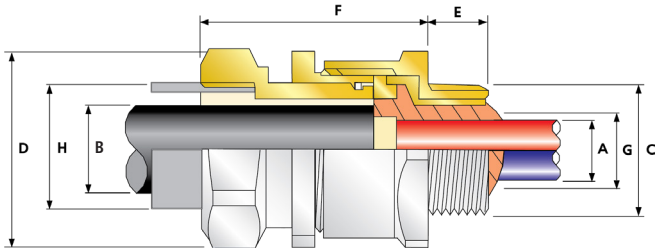
TECHNICAL CLASSIFICATION

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
INGRESS PROTECTION RATING**	IP66
CABLE TYPE	Unarmoured
SEAL MATERIAL	Epoxy Barrier Compound
SEALING AREA(S)	Inner Compound Barrier
CABLE GLAND MATERIAL	Brass, Electroless Nickel Plated Brass, Aluminium, Stainless Steel

* 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.
Alternative conduit sizes available upon request.
See 'thread option ordering examples' table below for typical NPT and Metric thread ordering references.

THREAD OPTION ORDERING EXAMPLES		
ORDERING REFERENCE	MALE THREAD	FEMALE THREAD
20PXRC1RA	M20	M20
20PXRC1RA0**31**	**M20**	**½" NPT**
20PXRC1RA0**3131**	**½" NPT**	**½" NPT**
20PXRC1RA0**3102**†	**½" NPT**	**M20**

Refer to 'How to order' page for complete list of ordering codes.
† For Metric female threads please insert '**0**' before thread size code
e.g. 32PXRC1RA534**0**5 (1 ¼" NPT Male x M40 Female)



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 Gb, Ex eb IIC Gb, Ex ta IIIC Da Ⓔx II 3G, Ex nR IIC Gc	CODE OF PROTECTION	Ex db IIC Gb, Ex eb IIC Gb, Ex ta IIIC Da, Ex nR IIC Gc
COMPLIANCE STANDARDS	EN 60079-0,1,7,15, 31	COMPLIANCE STANDARDS	IEC 60079-0,1,7,15, 31
KCs KOSHA CERTIFICATE	14-GA4BO-0252X	ECAS CERTIFICATE	24-03-106290/E24-03-110155/NB0007
EAC CERTIFICATE	RU C-GB.АД07.В.0459522	UkrSEPRO CERTIFICATE	СЦ 19.0371X
RETIE APPROVAL NUMBER	EL-CS-230200	CCOE / PESO (INDIA) CERTIFICATE	P548696, P533772, P548695
CCC CERTIFICATE	2020322313003190	INMETRO APPROVAL	TÜV 12.2073X
SANS	MS-XPL/21.0305 X	TS TAIWAN CERTIFICATION	ML10101200706 1G8
MARINE APPROVALS	LRS: LR22320739TA DNV: TAE000000Y ABS: 25-0285992-PDA		

COMBINED ORDERING REFERENCE (*BRASS METRIC)			AVAILABLE ENTRY THREADS 'C' (ALTERNATIVE METRIC THREAD LENGTHS AVAILABLE)					NUMBER OF CORES	FEMALE CONNECTION THREAD 'H'	FEMALE CONNECTION THREAD (NPT) 'H'	DIAMETER OVER CONDUCTORS 'A'	CABLE BEDDING DIAMETER 'G'	OVERALL CABLE DIAMETER 'B'	ACROSS FLATS 'D'	ACROSS CORNERS 'D'	PROTRUSION LENGTH 'F'	CABLE GLAND WEIGHT (kg)
			STANDARD				OPTION										
SIZE	TYPE	ORDERING SUFFIX	METRIC	THREAD LENGTH (METRIC) 'E'	NPT	THREAD LENGTH (NPT) 'E'	NPT	MAX			MAX	MAX	MAX	MAX	MAX		
20	PXRC	1RA	M20	15.0	½"	19.9	¾"	21	M20	½"	12.6	12.9	13.9	30.0	33.0	45.9	0.17
25	PXRC	1RA	M25	15.0	¾"	20.2	1"	30	M25	¾"	17.5	17.9	19.9	36.0	39.6	48.6	0.33
32	PXRC	1RA	M32	15.0	1"	25.0	1 ¼"	38	M32	1"	23.6	23.9	26.2	41.0	45.1	53.0	0.32
40	PXRC	1RA	M40	15.0	1 ¼"	25.6	1 ½"	59	M40	1 ¼"	30.0	30.3	32.3	50.0	55.0	50.5	0.41
50S	PXRC	1RA	M50	15.0	1 ½"	26.1	2"	89	M50	1 ½"	36.6	36.9	38.9	55.0	60.5	59.6	0.57
50	PXRC	1RA	M50	15.0	2"	26.9	2 ½"	115	M50	2"	41.0	41.3	44.2	60.0	66.0	64.5	0.61
63S	PXRC	1RA	M63	15.0	2"	26.9	2 ½"	115	M63	2"	47.9	48.4	50.0	70.1	77.1	63.5	0.94
63	PXRC	1RA	M63	15.0	2 ½"	39.9	3"	115	M63	2 ½"	53.7	54.0	56.0	75.0	82.5	64.6	0.89
75S	PXRC	1RA	M75	15.0	2 ½"	39.9	3"	140	M75	2 ½"	59.9	60.2	62.4	84.0	92.4	72.9	1.29
75	PXRC	1RA	M75	15.0	3"	41.5	3 ½"	140	M75	3"	64.3	64.2	68.1	85.0	93.5	72.5	1.16
90	PXRC	1RA	M90	20.0	3 ½"	42.8	4"	140	M90	3 ½"	75.3	75.6	80.1	108.0	118.8	89.5	2.63

*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 male and / or female options please add the following digits to the material suffix (See Thread Options table above) ; 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")
When NPT male & Metric female product option is required, please add the following digits to the material and NPT male suffix (See Thread Options table above) ; M20 = 01, M25 = 02, M32 = 03, M40 = 04, M50 = 05, M63 = 06, M75 = 07, M90 = 08 (Brass requires prefix "0")

Examples: 32PXRC1RA533 = Nickel Plated Brass M32 male x 1" NPT female, 20S16PXRC1RA031 = Brass M20 male x ½" NPT female, 25PXRC1RA43203 = Stainless Steel ¾" NPT male x M25 female, 20PXRC1RA5 = Nickel Plated Brass M20 male and female

Dimensions are displayed in millimetres unless otherwise stated

Dimensions listed are for metric cable glands only. Dimensions for alternative threads may vary.