



PXRC

Ex e Exd Exta

PXRC Internationally Approved, Rigid & Flexible Conduit Explosive Atmosphere Barrier Cable Gland

For all types of Unarmoured Cables

- Designed for rigid & flexible conduits
- Easy install running coupler design
- Compound barrier type flameproof seal
- -60°C to +85°C
- Internationally marked, IECEx & ATEX



Alternative conduit sizes available upon request.

See cable gland selection table below for full NPT & Metric thread ordering references

THREAD OPTION ORDERING EXAMPLES

Ordering Reference	Male Thread	Female Thread
20PXRC1RA	M20	M20
20PXRC1RA031	M20	½" NPT
20PXRC1RA03131	½" NPT	½" NPT
20PXRC1RA03102	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. 32PXRC1RA53405 (1 ¼" NPT Male x M40 Female)

TECHNICAL DATA

Design Specification	BS 6121:Part 1:1989, IEC 62444, EN 62444
Mechanical Classifications*	Impact = Level 8, Cable Anchorage = Class B
Enclosure Protection	IK10 to IEC 62262 (20 joules) Brass & Stainless Steel only
ATEX Certificate	CML 18ATEX1325X
Code of Protection	⊕ II 2G, II 1D, Ex db IIC Gb, Ex eb IIC Gb, Ex ta IIIC Da
Compliance Standards	EN 60079-0,1,7,31
IECEx Certificate	IECEx CML 18.0182X, IECEx SIM 14.0008X
Code of Protection	Ex db IIC Gb, Ex eb IIC Gb, Ex ta IIIC Da
Compliance Standards	IEC 60079-0,1,7,31
EAC Certificate	TC RU C-GB.AA87.B.00487
UkrSEPRO	UA.TR.047.C.0644-15
KCs KOSHA Certificate	14-GA4BO-0252X
CCOE / PESO (India) Certificate	P333688
NEPSI Certificate	GYJ18.1252X
INMETRO Approval	TÜV 12.2073X
RETIE Approval Number	03866
Marine Approvals	LRS: 01/00172 DNV: TAE000000Y ABS: 14-LD234401A-4-PDA
Ingress Protection Rating**	IP66
Cable Gland Material	Brass, Electroless Nickel Plated Brass, Aluminium, Stainless Steel
Seal Material	Epoxy Barrier Compound
Cable Type	Unarmoured
Sealing Area(s)	Inner Compound Barrier

* 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.

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	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"	Combined Ordering Reference (*Brass Metric)			Cable Gland Weight (Kgs)
	Standard			Option	Max										Size	Type	Ordering Suffix	
	Metric	Thread Length (Metric) "E"	NPT	Thread Length (NPT) "E"														
20	M20	15.0	½"	19.9	¾"	21	M20	½"	12.6	12.9	13.9	30.0	33.0	45.9	20	PXRC	1RA	0.17
25	M25	15.0	¾"	20.2	1"	30	M25	¾"	17.5	17.9	19.9	41.0	45.1	53.6	25	PXRC	1RA	0.33
32	M32	15.0	1"	25.0	1 ¼"	38	M32	1"	23.6	23.9	26.2	41.0	45.1	51.8	32	PXRC	1RA	0.32
40	M40	15.0	1 ¼"	25.6	1 ½"	59	M40	1 ¼"	30.0	30.3	32.3	50.0	55.0	48.6	40	PXRC	1RA	0.41
50S	M50	15.0	1 ½"	26.1	2"	89	M50	1 ½"	36.6	36.9	38.9	55.0	60.5	59.1	50S	PXRC	1RA	0.57
50	M50	15.0	2"	26.9	2 ½"	115	M50	2"	41.0	41.3	44.2	60.0	66.0	64.0	50	PXRC	1RA	0.61
63S	M63	15.0	2"	26.9	2 ½"	115	M63	2"	47.9	48.4	50.0	70.1	77.1	62.6	63S	PXRC	1RA	0.94
63	M63	15.0	2 ½"	39.9	3"	115	M63	2 ½"	53.7	54.0	58.0	75.0	82.5	64.6	63	PXRC	1RA	0.89
75S	M75	15.0	2 ½"	39.9	3"	140	M75	2 ½"	59.9	60.2	62.4	84.0	92.4	71.7	75S	PXRC	1RA	1.29
75	M75	15.0	3"	41.5	3 ½"	140	M75	3"	64.3	64.2	68.1	85.0	93.5	71.2	75	PXRC	1RA	1.16
90	M90	24.0	3 ½"	42.8	4"	140	M90	3 ½"	75.3	75.6	80.1	108.0	118.8	87.3	90	PXRC	1RA	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 & female

Dimensions are displayed in millimetres unless otherwise stated