



(A TE-Connectivity - RPG Enterprises JV)

Raychem RPG

Reliable Connections. Always...

INDUSTRIAL CABLE GLANDS & ACCESSORIES



**SINGLE COMPRESSION
WITHOUT ARMOUR**

**SINGLE COMPRESSION
WITH ARMOUR**

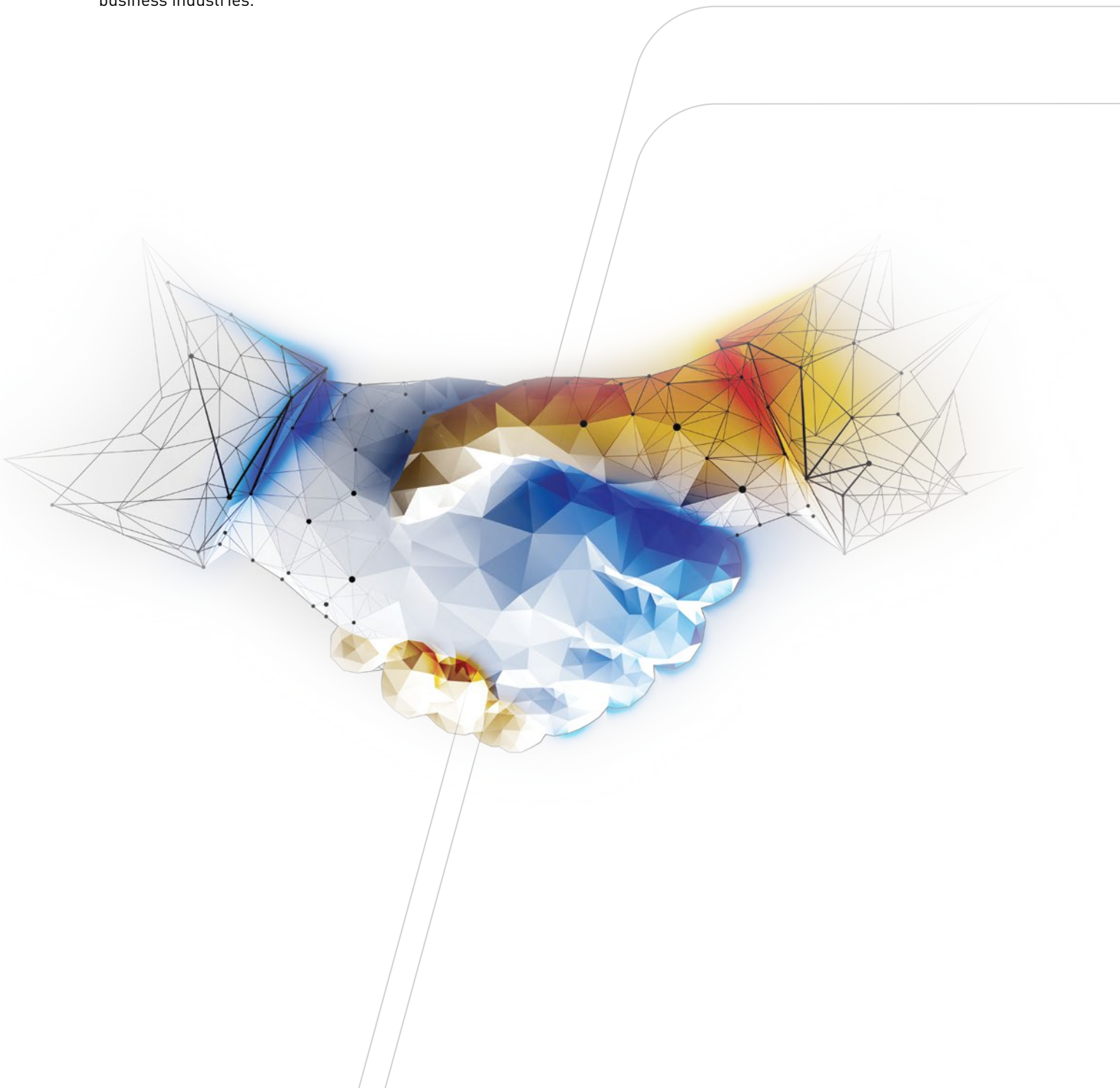
**DOUBLE COMPRESSION
WITH ARMOUR**

**NO COMPRESSION
WITH ARMOUR**

WELCOME TO RAYCHEM RPG

Raychem RPG (P) Ltd., incorporated in 1989, is a 50:50 Joint Venture between TE Connectivity, U.S.A. and RPG Enterprises, India. It is one of the longest running successful joint ventures in India for over 36 years.

Built on foundation of trust and traditions, Raychem RPG is involved in engineering solutions and services. Pioneering smart products and technologies, the company caters to the infrastructure segment of multiple business industries.



OUR VISION

Reliable Connections. Always...

Whether powering a home or enabling a sector or energizing an industry, our products and solutions form an integral part of systems and play a vital role in shaping the daily lives and driving progress for communities and nations. With each product and solution, we pave the path for a better future.

OUR MISSION

To deliver exceptional value to all stakeholders by fostering collaboration, agility and innovation

We will prioritize collaboration, agility, and innovation as core values. It implies a commitment to delivering exceptional value to stakeholders through a culture of trust & commitment, teamwork, adaptability, and innovation.



CORE VALUES



Collaboration

The strongest ropes are woven together

- Solve together
- Seek help
- Allow the best idea to win
- Ensure outcomes



Always Relentless

It's not about whether you got knocked down, it is about whether you got back up

- Continue to improve
- Do not accept mediocrity
- Speak up even if it is a hard truth
- Act with urgency



Customer Intimacy

To walk far, walk with the customer

- Listen to understand
- Solve to provide lasting value
- Delight customers




Forward Thinking

Build enough track to be ahead of the train

- Anticipate to prepare for tomorrow
- Plan ahead

FUTURE IS IN SMART ENGINEERING



Comprehensive knowledge and learning in design and engineering over the last three decades have helped us set up a strong technical base and offer contemporary products that are on par with international quality and reliability.

Based on the feedback of customers like you, our team of 50+ design engineers continuously researches on improvement and unexplored ideas in material science, electrical design and industrial product engineering.

This enables us to identify gaps in the marketplace and offer you new, innovative products. Unique differentiation in products, achieved through innovation, adds to our knowledge bank. These are protected through continuous filing of Intellectual Property, and help maintain our leadership position in the market.

For you, this means embracing the latest technology.

FUTURE IS IN SMART MANUFACTURING FACILITIES



Halol Plant | 23 Acres



Vasai Plant | 04 Acres



Chakan Plant | 11 Acres



Naigaon Plant | 2.5 Acres

We have state-of-the-art manufacturing facilities at four locations in India (Vasai, Naigaon, Halol and Chakan). With strong capability in lean manufacturing operations results in an optimised and cost-effective products.

RRL manufactures a wide range and variety of products at these facilities using conventional as well as contemporary processes and exclusive material including packaging items, which are environment friendly.

We have implemented smart manufacturing practices like integrated workstations, error-free assembly and streamlined techniques of production. Adoption of internationally acclaimed tools and techniques, combined with automation and digitization at



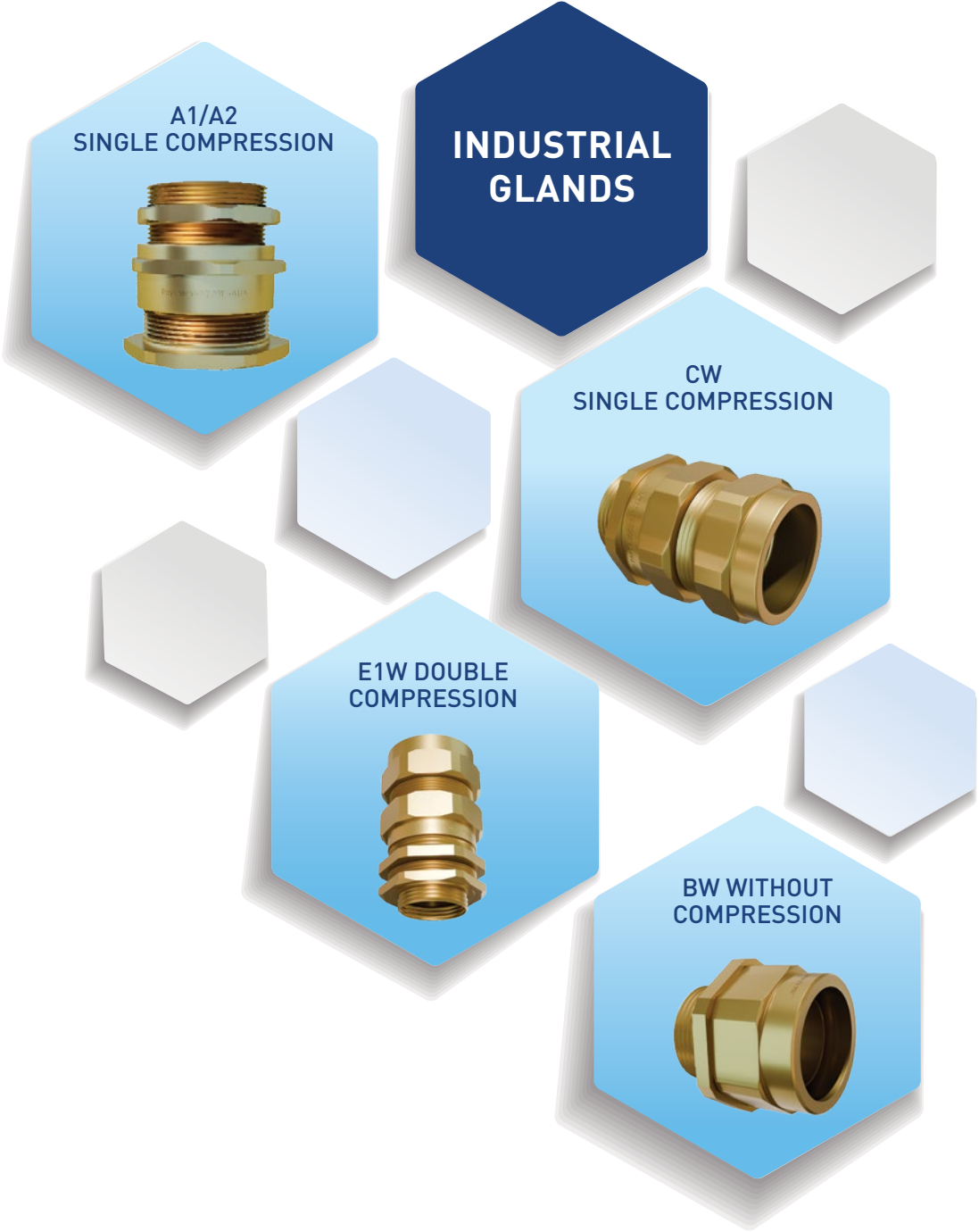
Poland Plant

each stage of manufacturing ensures high level of productivity, quality, reliability, safety and morale. As a testimony to our disciplined and structured working as well as self-reliance, each of our manufacturing facilities is certified for their continued compliance to international standards like ISO 9001, ISO 14001, and OHSAS 18001 for the

Quality, Environment, Health and Safety Management Systems respectively. Besides, these facilities have been certified for ISO 50001 and ISO 27001 for their Energy and Information Security Management Systems.

For you, this means international quality products.

PRODUCT RANGE

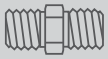


TECHNICAL DETAILS



DESIGN SPECIFICATION

- BS6121: Part 1: 2005
- IEC/EN62444



THREADS

- Metric
- NPT



THREADS RANGE

- M16-M90
- NPT $\frac{1}{2}$ "-3 $\frac{1}{2}$ "



MATERIAL

- Brass (CuZn39Pb3)



FINISH

- Natural
- Nickel plated



SEALING MATERIAL

- Neoprene (-40°C to+100°C)
- Silicone (-50°C to+135°C)



TYPES

- Single compression without Armour
- Single compression with Armour
- Double compression with Armour
- No compression with Armour

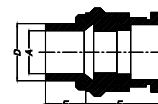
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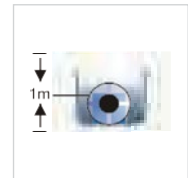
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INTRODUCTION

DEFINING CABLE GLANDS

A device designed to permit the entry of a cable, flexible cable or insulated conductor into an enclosure, and which provides sealing and retention. It also provides significant functions such as earthing,

bonding, insulation, cable guarding, strain relief or a combination of these. They are mechanical fittings that form part of the electrical installation material.

PRODUCT DESIGN & CONSTRUCTION

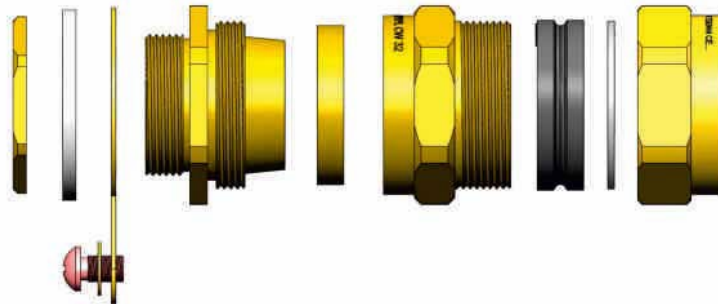
Raychem RPG Cable glands are designed for use with all types of electrical power, control, instrumentation, data telecommunications cables & fire rated Cables.

They are used as a sealing and termination device to ensure that the characteristics of the enclosure which the cable enters can be maintained adequately.

SEALING MECHANISM

Sealing the cable from dust and moisture ensuring maximum protection to the enclosure is the most significant feature of cable glands. At Raychem RPG, we use the optimum rubber material in the following ways to offer efficient sealing. Compression sealing is an elastomeric sealing ring that has a V-groove that

creates a downward seal on the cable inner bedding, when the same compressive force is equally applied to both sides of the seal. Displacement sealing has a shape in the form of a taper which is gradually pushed ahead into the taper on the gland.



- Body armour houses power cable and supports in clamping cable to junction boxes or external body.
- Mechanical seals (compression & displacement type seals) are used to provide ingress protection to cable gland assembly
- Cone Ring is used to clamp cable armour and support cable in gland body armour lock
- Compression Ring is used to house mechanical seal & provide outer sealing to cable.
- Lock Nut is used to lock cable gland assembly in junction boxes or external body
- Earth Tag is used to maintain earth conductivity from cable to junction boxes or external body
- Shrouds are used to increase ingress protection and protect cable gland assembly from physical damage

TYPES OF INDUSTRIAL CABLE GLANDS

- A1 / A2 CABLE GLAND
- BW CABLE GLAND
- CW CABLE GLAND
- E1W CABLE GLAND

Cable Gland Primary Code / Secondary Code for Unarmoured and Armoured cables.

Rigorous Tests & Physical properties of Stainless Steel Camping Products

Code	Definition
Al/A2	For unarmoured cable with an elastomeric or plastic outer sheath, with sealing function between the cable gland. (For A2 - seal protection degree IP66)
BW	No Seal / Single wire armour
CW	Single outer seal / Single wire armour
E1W	Double (inner and outer seal) / Single wire armour

COMPLIANCE STANDARDS

Raychem RPG manufactured mechanical type Cable glands meet the requirements of BS 6121-1:2005; & IEC/ EN 62444 (Harmonized std. for European low voltage directive 2014/35/EU. Raychem RPG Cable Glands are in conformance with IP66 as per IEC

60529:1989/ A2:2013-Degrees of Protection provided by enclosures (IP Code). The prime purpose is to define levels of sealing effectiveness of electrical enclosures against intrusion from Dust & water.

GLAND KIT

Raychem RPG Brass cable glands supplies will be with complete kit comprising of the following:

1. Gland
2. Earth Tags
3. PVC / LSF / LSZH Shrouds
4. Sealing Washers - Neoprene or Silicone w.r.t. applications (Power Cables / FR Cables)
5. IP Washer

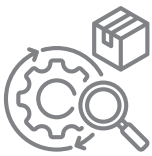
WHY RAYCHEM RPG?



Quality

At Raychem RPG, quality is a long history of success and recognition. Today the company is one of the Indian businesses to have adjusted and certified its progress according to strict regulatory standards:

- Quality (ISO 9001:2015)
- Environment (ISO 14001:2015)
- Safety (OHSAS 18001:2007)



Production Control

In order to guarantee our product high quality standards, the production process must be monitored with constant and careful precision. The control phases accompany all the stages of production and often use advanced technology for measurement and detection. We use the cutting edge CNC machine for all our manufacturing operations related to maintain the world class standard of Raychem RPG.



Care for Environment

Raychem RPG believes that industrial development can truly respect, and therefore be compatible with the environment. For Raychem RPG, protecting the environment and the people and things around you is an important responsibility that requires constant and immediate consideration. It is a conscious decision which involves believing in the future.



Competitive Enterprise

One of Raychem RPG's aims is knowing how to offer its users the best possible solution in consideration of the quality-price ratio. The fact that thousands of clients all over the world are faithful to Raychem RPG products demonstrates the technical and economic validity of the solution offered.



Global Capability

The company's sales network is one of its strengths. It enables Raychem RPG to be present on all the main global markets consequently being as closely as possible to the end customer. The company has its presence in all over the globe. This direct access to each market allows the Raychem RPG staff to remain inside the market with the advantage of being closer to the client.

APPROVALS



Raychem RPG industrial cable gland A1/A2, BW, CW and E1W are CE Approved as per Applicable Low Voltage directive 2014/35/EU and Applicable Standard IEC/EN 62444. The CE marking indicates a product's compliance with EU legislation and so enables the free movement of products within the European market. By affixing the CE marking to a product, a manufacturer declares, on his sole responsibility, that the product meets all the legal requirements for the CE marking, which means that the product can be sold throughout the European Economic Area.



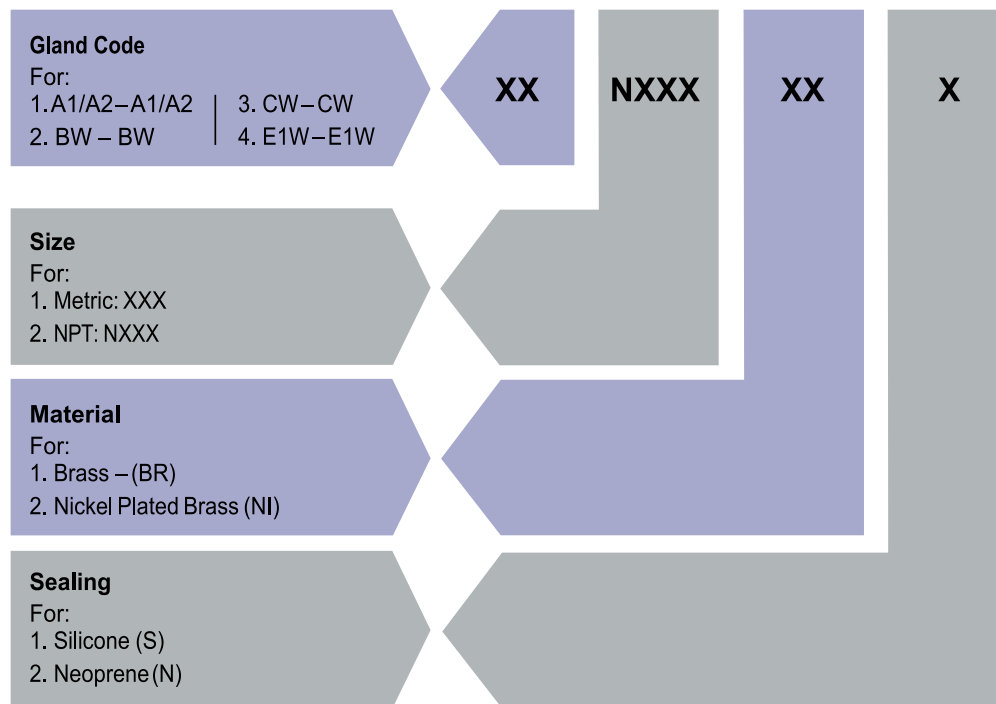
Raychem RPG manufactured cable glands & related accessories are ROHS compliant in accordance with rohs directive 2011/65/EU & its subsequent ammendment directives & is tested for the presence of Lead (Pb), Cadmium (Cd), Mercury (Hg), Hexavalent chromium (Hex-Cr), Polybrominated biphenyl (PBB), and Polybrominated diphenyl ethers (PBDE) and observed no dangerous substances.



Registration, Evaluation, Authorization and Restriction of Chemicals (REACH) is a European Union regulation dating from 18 December 2006. REACH addresses the production and use of chemical substances, and their potential impacts on both human health and the environment.

The regulation also established the European Chemicals Agency, which manages the technical, scientific and administrative aspects of REACH.

NOMENCLATURE



Example of Product Code for NPT :

- 1. A1/A2 - RRPL A1/A2N12LBRS
- 2. BW - RRPL BWN12LBRS
- 3. CW - RRPL CWN12LBRS
- 4. E1W - RRPL E1WN12LBRS

Example of Product Code for Metric:

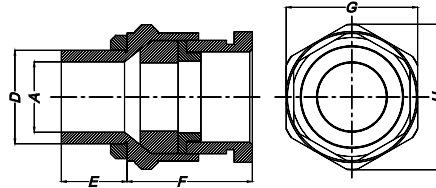
- 1. A1/A2 - RRPL A1/A2 16L BRN
- 2. BW - RRPL BW 16L BRN
- 3. CW - RRPL CW 16L BRN
- 4. E1W - RRPL E1W 16L BRN

PRODUCT DETAILS

A1 / A2 INDUSTRIAL CABLE GLANDS

Raychem RPG Manufacturers A1/A2 Industrial Cable Gland as per the requirement of IEC/EN 62444

Design Specification	IEC/EN 62444
Gland Sizes	M16 to M100 also available in NPT
Ingress Protection	IP66
Gland Material	Brass, Nickel Plated Brass
Sealing Type	Single Sealing
Operating Temperature	Neoprene -40° C to +100° C Silicone -50° C to +135° C
Plastic Ring Material	Nylon 66
Sealing Method	Displacement Sealing
Sealing Area	Cable Outer Sheath
Finish	Natural Brass or Nickel Plated Brass
Cable Types	Unarmoured
Application	Indoor and Outdoor
Accessories	Lock Nut, Shrouds, IP Washer
Additional Accessories	Adaptor, Reducer



Cable Gland Type	Standard entry threads (D)	Optional entry Thread	Overall Cable Diameter (A)		Gland Dimensions				
					Entry Thread		Protrusion length (F)	Hexagon Size	
					Entry Thread Diameter (D)	Entry Thread Length (E)		Across Flat (G mm)	Across Corner (H mm)
RRPL A1/A2 20/16L	M20	NPT1/2" (N12S)	3.50	8.00	20.00	10.00	20.00	22.00	24.50
RRPL A1/A2 20 S	M20	NPT1/2" (N12M)	8.50	12.00	20.00	15.00	22.00	24.00	26.00
RRPL A1/A2 20 L	M20	NPT1/2" (N12L)	8.00	13.00	20.00	15.00	22.00	26.00	29.00
RRPL A1/A2 25 S	M25	NPT3/4" (N34S)	9.00	17.50	25.00	15.00	25.00	30.00	33.00
RRPL A1/A2 25 L	M25	NPT3/4" (N34L)	14.00	21.00	25.00	15.00	26.00	33.50	37.00
RRPL A1/A2 32 L	M32	NPT1" (N1L)	18.50	26.00	32.00	15.00	30.00	41.00	45.50
RRPL A1/A2 40 L	M40	NPT1-1/4" (N114L)	25.00	33.00	40.00	15.00	31.00	50.00	55.50
RRPL A1/A2 50 S	M50	NPT1-1/2" (N112L)	31.00	38.00	50.00	15.00	33.00	55.00	60.50
RRPL A1/A2 50 L	M50	NPT2" (N2S)	35.00	44.00	50.00	15.00	33.00	59.50	67.00
RRPL A1/A2 63 S	M63	NPT2" (N2L)	39.00	49.30	63.00	15.00	35.00	70.00	77.00
RRPL A1/A2 63 L	M63	NPT2-1/2" (N212S)	46.00	53.50	63.00	15.00	35.00	74.00	80.00
RRPL A1/A2 75 S	M75	NPT2-1/2" (N212L)	53.00	61.50	75.00	15.00	35.00	82.00	90.50
RRPL A1/A2 75 L	M75	NPT3" (N3L)	60.00	67.40	75.00	15.00	40.00	84.00	94.00
RRPL A1/A2 90 L	M90	NPT3-1/2" (N312L)	66.50	78.00	90.00	20.00	50.00	101.00	114.00
RRPL A1/A2 100 L	M100	NPT4" (N4L)	76.00	88.00	100.00	25.00	50.00	119.00	131.00

** For customize product refer the nomenclature page

Raw Material Specification

Grade of Brass	: CuZn39Pb3 / IS 319
Copper+Nickel Content	: 56.0 - 59.0%
Zinc	: Remainder %
Lead	: 2 - 3.5%
Iro	: 0.35% Max
Total Impurities	: 0.4% / 0.7%

Brass Kit

: Brass Cable Gland, Brass Lock Nut, IP Washer, Shrouds (PVC).

Nickel Plated Brass Kit

: Nickel Plated Brass, Cable Gland, Nickel Plated Lock Nut, IP washer, Shrouds (PVC).

Product Application:

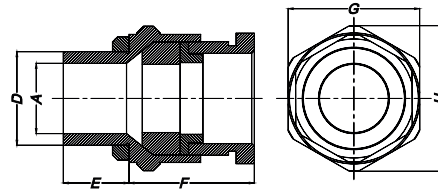
Raychem RPG A1/A2 type brass indoor and outdoor cable gland is used with all types of unarmoured cable, providing mechanical cable retention and an environmental seal on the cable outer sheath.

PRODUCT DETAILS

CW Industrial Cable Gland

Raychem RPG Manufacturers CW Industrial Cable Gland as per IEC/EN62444, BS6121 Part 1:2005

Design Specification	BS6121Part 1:2005 IEC/EN62444
Gland Sizes	M16 to M90 also available in NPT
Ingress Protection	IP66
Gland Material	Brass, Nickel plated brass
Operating Temperature	Neoprene -40° C to +100° C Silicone -50° C to +135° C
Armour Clamping	Three Part ArmourLock
Plastic Ring Material	Nylon 66
Sealing Method	Compression Sealing
Sealing Area	Cable Outer Sheath
Finish	Natural Brass or Nickel Plated Brass
Cable Types	Steel Wire Armour (SWA), Aluminium Wire Armour (AWA)
Application	Indoor and Outdoor
Accessories	LockNut,EarthTag,IPWasher&Shrouds
Additional Accessories	Adapter, Reducer



Cable Gland Type	Standard Entry Thread (D)	Optional Entry Thread	Cable Under Armour/ Bedding Diameter (A)	Overall Cable Diameter (B)		Gland Dimensions					Armour Range	
						Entry Thread		Protrusion Length (F)	Hexagon Size			
						Entry Thread Length (D)	Entry Thread Length (E)		Across Flat (G mm)	Across Corner (H mm)		
RRPL CW 16 S	M16	-	9.0	4.0	7.5	16.0	10.0	40	20.50	22.70	0.8	1.25
RRPL CW 16 L	M16	-	9.0	7.0	11.0	16.0	10.0	40	20.50	22.70	0.8	1.25
RRPL CW 20 S	M20	NPT1/2"(N12S)	13.0	10.5	14.5	20.0	10.0	47	22.20	24.20	0.8	1.25
RRPL CW 20 L	M20	NPT1/2"(N12L)	14.5	14.0	18.5	20.0	10.0	47	26.20	29.00	0.8	1.25
RRPL CW 25 S	M25	NPT3/4"(N34S)	18.6	18.4	23.2	25.0	10.0	50	31.00	34.50	1.25	1.6
RRPL CW 25 L	M25	NPT3/4"(N34L)	20.7	20.0	25.5	25.0	10.0	50	36.00	39.20	1.25	1.6
RRPL CW 32 L	M32	NPT1"(N1L)	27.4	25.5	33.0	32.0	10.0	55	41.00	46.00	1.6	2.0
RRPL CW 40 S	M40	NPT1-1/4"(N114S)	32.7	31.0	36.5	40.0	15.0	60	49.50	55.50	1.6	2.0
RRPL CW 40 L	M40	NPT1-1/4"(N114L)	33.5	34.5	40.0	40.0	15.0	60	49.50	54.50	1.6	2.0
RRPL CW 50 S	M50	NPT1-1/2"(N112L)	41.0	39.0	46.7	50.0	15.0	65	57.00	63.50	2.0	2.5
RRPL CW 50 L	M50	NPT2"(N2S)	44.5	43.5	51.0	50.0	15.0	65	62.00	69.60	2.0	2.5
RRPL CW 63 S	M63	NPT2"(N2L)	50.1	47.5	55.6	63.0	15.0	70	73.00	81.00	2.0	2.5
RRPL CW 63 L	M63	NPT2-1/2"(N212S)	56.0	54.0	62.2	63.0	15.0	70	78.00	86.00	2.0	2.5
RRPL CW 75 S	M75	NPT2-1/2"(N212L)	63.0	61.5	68.0	75.0	15.0	75	84.50	95.50	2.0	2.5
RRPL CW 75 L	M75	NPT3"(N3L)	68.0	67.0	75.5	75.0	15.0	75	91.00	102.20	2.5	3.0
RRPL CW 90 S	M90	NPT3-1/2"(N312S)	79.0	75.5	85.0	90.0	20.0	90	100.00	110.00	3.15	4.0
RRPL CW 90 L	M90	NPT3-1/2"(N312L)	79.0	80.0	88.7	90.0	20.0	90	103.00	114.00	3.15	4.0

** For customize product refer the nomenclature page

Raw Material Specification

Grade of Brass	: CuZn39Pb3 / IS 319
Copper+Nickel Content	: 56.0 - 59.0%
Zinc	: Remainder %
Lead	: 2 - 3.5%
Iron	: 0.35% Max
Total Impurities	: 0.4% / 0.7%

Brass Kit

: Brass Cable Gland, Brass Lock Nut, Earth Tag, Shrouds (PVC).

Nickel Plated Brass Kit

: Nickel Plated Brass Cable Gland, Nickel Plated Lock Nut, Earth Tag, Shrouds (PVC).

Product Application:

Raychem RPG CW type brass indoor & outdoor cable gland is used with all types of Steel Wire Armour (SWA) and Aluminium Wire Armour (AWA) cable providing mechanical cable retention and electrical continuity via armour wire termination.

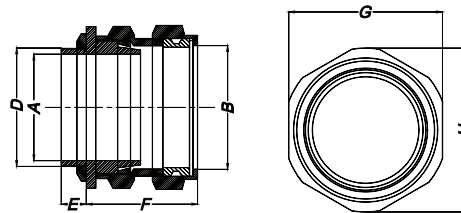
PRODUCT DETAILS

E1W Industrial Cable Gland

Raychem RPG Manufacturers E1W Industrial Cable Gland as per IEC/EN 62444, BS6121 Part 1:2005

Technical information:

Design Specification	BS6121 Part 1:2005 IEC/EN 62444
Gland Sizes	M16 to M90 also available in NPT
Ingress Protection	IP66
Gland Material	Brass, Nickel Plated Brass
Operating Temperature	Neoprene -40°C to+100° C Silicone -50°C to+135°C
Armour Clamping	Three Part Armour Lock
Plastic Ring Material	Nylon 66
Sealing Method	Double Compression Sealing
Sealing Area	Cable Outer Sheath / Cable Inner Sheath
Finish	Natural Brass or Nickel Plated Brass
Cable Types	Steel Wire Armour (SWA), Aluminium Wire Armour (AWA)
Application	Indoor and Outdoor
Accessories	Lock Nut, Earth Tag, Shrouds & IP Washer
Additional Accessories	Adapter, Reducer



Cable Gland Type	Standard Entry Thread (D)	Optional Entry Thread	Cable Under Armour/ Bedding Diameter (A)		Overall Cable Diameter (B)		Gland Dimensions					Armour Range	
			Max. dia. (mm)	Max. dia. (mm)	Max. dia. (mm)	Max. dia. (mm)	Entry Thread		Protrusion Length (F)	Hexagon Size		Min	Max
							Entry Thread Diameter (D)	Entry Thread Length (E)		Across Flat (G mm)	Across Corner (H mm)		
RRPL E1W 16 L	M16	-	3.0	7.5	6.5	11.5	16	15.0	40	22.0	24.0	0.8	1.25
RRPL E1W 20 S	M20	NPT1/2"(N12S)	6.0	10.0	10.5	15.0	20	15.0	45	22.0	24.0	0.8	1.25
RRPL E1W 20 L	M20	NPT1/2"(N12L)	10.2	14.0	14.8	19.0	20	15.0	45	27.0	30.0	0.8	1.25
RRPL E1W 25 S	M25	NPT3/4"(N34S)	12.5	16.0	18.0	21.5	25	15.0	50	31.0	35.0	1.25	1.6
RRPL E1W 25 L	M25	NPT3/4"(N34L)	14.0	19.7	19.5	25.5	25	15.0	50	35.0	39.0	1.25	1.6
RRPL E1W 32 L	M32	NPT1"(N1L)	16.8	25.0	23.0	31.3	32	15.0	55	44.0	48.0	1.6	2.0
RRPL E1W 40 S	M40	NPT1-1/4"(N114S)	24.8	31.5	31.0	38.0	40	15.0	60	51.5	57.5	1.6	2.0
RRPL E1W 40 L	M40	NPT1-1/4"(N114L)	28.0	33.5	33.5	40.0	40	15.0	60	51.5	57.5	1.6	2.0
RRPL E1W 50 S	M50	NPT1-1/2"(N112L)	32.0	42.0	39.0	45.0	50	15.0	65	64.5	72.0	2.0	2.5
RRPL E1W 50 L	M50	NPT2"(N2S)	37.0	42.0	44.0	49.3	50	15.0	65	64.5	72.0	2.0	2.5
RRPL E1W 63 S	M63	NPT2"(N2L)	41.5	50.5	48.5	58.0	63	18.0	70	70.0	77.0	2.0	2.5
RRPL E1W 63 L	M63	NPT2-1/2"(N212S)	50.0	57.5	57.0	65.0	63	18.0	70	78.0	87.5	2.0	2.5
RRPL E1W 75 S	M75	NPT2-1/2"(N212L)	55.0	59.5	62.0	67.0	75	20.0	76	84.0	92.5	2.0	2.5
RRPL E1W 75 L	M75	NPT3"(N3L)	59.0	68.0	66.4	78.5	75	20.0	79	95.0	108.0	2.5	3.0
RRPL E1W 90 L	M90	NPT3-1/2"(N312L)	66.5	75.5	72.0	88.0	90	20.0	96	105.0	122.0	3.15	4.0

** For customize product refer the nomenclature page

Raw Material Specification

Grade of Brass	: CuZn39Pb3 / IS 319
Copper+Nickel Content	: 56.0 - 59.0%
Zinc	: Remainder %
Lead	: 2 - 3.5%
Iron	: 0.35% Max
Total Impurities	: 0.4% / 0.7%

Brass Kit

: Brass Cable Gland, Brass Lock Nut, IP Washer, Earth Tag, Shrouds (PVC).

Nickel Plated Brass Kit

: Nickel Plated Brass Cable Gland, Nickel Plated Lock Nut, IP washer, Earth Tag, Shrouds (PVC).

Product Application:

RaychemRPGE1Wtypebrass indoor and outdoor cable glandis usedwithSteel WireArmour (SWA) cableproviding an environmental seal on the cable inner sheath and cable outer sheath. The cable gland providesmechanical cable retention and electrical continuity via the armour termination. Separate tightening actions fortheinnerCompressionsealandthearmourterminationallowmaximumcontroloverthepressureappliedtothecableinnercovering.

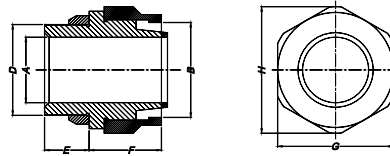
PRODUCT DETAILS

BW Industrial Cable Gland

Raychem RPG Manufacturers BW Industrial Cable Gland as per IEC/EN 62444, BS6121 Part 1:2005

Technical information:

Design Specification	BS6121:Part 1: 2005 IEC/EN 62444
Gland Sizes	M16 to M90 also available in NPT
Ingress Protection	IP2X
Gland Material	Brass, Nickel plated brass
Sealing Type	No Sealing
Sealing Type	Two Part Armour Lock
Armour Clamping	Natural Brass or Nickel Plated Brass
Finish	Displacement Sealing
Cable Types	Steel Wire Armour (SWA), Aluminium Wire Armour (AWA)
Application	Dry Indoor
Accessories	Lock Nut, Earth Tag & Shrouds
Additional Accessories	Adapter, Reducer



Cable Gland Type	Standard Entry Thread (D)	Optional Entry Thread	Overall Cable Diameter (B)		Gland Dimensions					Armour Range	
					Entry Thread		Protrusion length (F)	Hexagon Size			
					Metric Thread Type	NPT Thread Type (ordering suffix)		Min. dia. (mm)	Max. dia. (mm)	Entry Thread Diameter (D)	Entry Thread Length (E)
RRPL BW 16 S	M16	-	8.0	12.0	16	10	23	20	23	0.8	1.25
RRPL BW 16 L	M16	-	8.6	13.5	16	10	23	20	23	0.8	1.25
RRPL BW 20 S	M20	NPT1/2" (N12S)	12.6	16.8	20	10	23	22	24	0.8	1.25
RRPL BW 20 L	M20	NPT1/2" (N12L)	14.5	20.0	20	10	30	25	28	0.8	1.25
RRPL BW 25 S	M25	NPT3/4" (N34S)	19.5	24.5	25	10	30	31	34	1.25	1.6
RRPL BW 25 L	M25	NPT3/4" (N34L)	20.5	26.0	25	10	32	32	36	1.25	1.6
RRPL BW 32 L	M32	NPT1" (N1L)	22.0	32.5	32	10	36	40	44	1.6	2.0
RRPL BW 40 S	M40	NPT1-1/4" (N114S)	30.0	38.0	40	10	36	46	51	1.6	2.0
RRPL BW 40 L	M40	NPT1-1/4" (N114L)	33.0	40.5	40	15	39	49	55	1.6	2.0
RRPL BW 50 S	M50	NPT1-1/2" (N112L)	40.5	49.0	50	15	40	57	64	2.0	2.5
RRPL BW 50 L	M50	NPT2" (N2S)	44.1	54.0	50	15	45	62	69	2.0	2.5
RRPL BW 63 S	M63	NPT2" (N2L)	51.0	58.0	63	15	45	69	78	2.0	2.5
RRPL BW 63 L	M63	NPT2-1/2" (N212S)	56.2	65.5	75	15	50	75	84	2.0	2.5
RRPL BW 75 S	M75	NPT2-1/2" (N212L)	62.0	72.0	75	15	50	82	93	2.0	2.5
RRPL BW 75 L	M75	NPT3" (N3L)	68.0	77.5	75	15	50	88	99	2.5	3.0
RRPL BW 90 S	M90	NPT3-1/2" (N312S)	78.0	87.0	90	20	55	100	112	3.15	4.0
RRPL BW 90 L	M90	NPT3-1/2" (N312L)	78.5	88.0	90	20	55	112	120	3.15	4.0

Raw Material Specification

Grade of Brass	: CuZn39Pb3 / IS 319
Copper+Nickel Content	: 56.0 - 59.0%
Zinc	: Remainder %
Lead	: 2 - 3.5%
Iron	: 0.35% Max
Total Impurities	: 0.4% / 0.7%

Brass Kit : Brass Cable Gland, Brass Lock Nut, Earth Tag, Shrouds (PVC).

Nickel Plated Brass Kit : Nickel Plated Brass Cable Gland, Nickel Plated Lock Nut, Earth Tag, Shrouds (PVC).

Product Application:

Raychem RPG BW type brass indoor cable gland is used with all types of Steel Wire Armour (SWA) and Aluminium Wire Armour (AWA) cable providing mechanical cable retention and electrical continuity via armour wire termination. The BW design offers the benefit of a longer body to protect the armour wires from impact.

ACCESSORIES



Adapter & Reducers

Material

- Brass
- Nickel platedbrass

Features

- Designed to provide flexibility when there is conflict between the type of size of cable gland thread and cable entry hole in theequipment.
- Available in standard sizes from M16 to M100.
- Thread conversions available in METRIC, NPT, PG.



Earthing Tag

Material

- Brass
- Nickel platedbrass

Features

- Means of connection or an earth bond around the cable gland.
- Available in various shapes and in standard sizes.
- Ensures earth continuity between the electrical equipment & the gland.
- Can be coated or plated as per Customer specification.

Metric	Product Code	Size	Product Code
M16	RRPL ET - 16	M50	RRPL ET - 50
M20	RRPL ET - 20	M63	RRPL ET - 63
M25	RRPL ET - 25	M75	RRPL ET - 75
M32	RRPL ET - 32	M90	RRPL ET - 90
M40	RRPL ET - 40		



Lock Nut

Material

- Brass
- Nickel platedbrass

Features

- Used in fastening glands to the gland plate.
- Available inMetric, NPT & PG.

Metric	Product Code	Size	Product Code
M16	RRPLLN-16	M50	RRPLLN-50
M20	RRPLLN-20	M63	RRPLLN-63
M25	RRPLLN-25	M75	RRPLLN-75
M32	RRPLLN-32	M90	RRPLLN-90
M40	RRPLLN-40		



Shrouds: PVC, LSF & LSZH

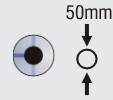
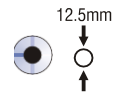
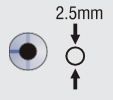
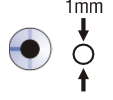


Material




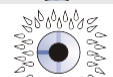

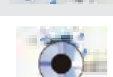
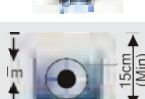

- HighGrade Poly Vinyl Chloride
- Low Smoke and Low Flammable compound
- LowSmoke ZeroHalogen.

Features

- Provide additional enhances IP rating of the Gland Terminals.
- Effective solution to weather and corrosion protection of a Cable Gland.
- Available in same gland size compatible to each size of the Cable Gland
- The arrow end of the sleeve can be readily cut with a knife, enabling it to be slipped over a wide rangeof cable diameters and assists ease of installations.

INGRESS PROTECTIONMARIX

First Digit	Protection against Solid Foreign Objects and Access to Hazardous Parts		
	Illustration	Method	Explanation
0		Non-Protected	Non-Protected
1		Protected against solid foreign objects of 50mm diameter and greater.	Protected against access to hazardous parts with the back of a hand
2		Protected against solid foreign objects of 12.5mm diameter and greater.	Protected against access to hazardous parts with a finger
3		Protected against solid foreign objects of 2.5mm diameter and greater.	Protected against access to hazardous parts with tool
4		Protected against solid foreign objects of 1.0mm diameter and greater.	Protected against access to hazardous parts with wire
5		Dust-protected	Protected against access to hazardous parts with wire
6		Dust-tight	Protected against access to hazardous parts with wire

Second Digit	Protection against Solid Foreign Objects and Access to Hazardous Parts	
	Illustration	Method
0		Non-Protected
1		Protected against drop of water falling vertically
2		Protected against spraying water upto 60° vertically
3		Protected against jet of water from all direction
4		Protected against the effects of temporary immersion
5		Protected against the effects of continuous immersion
6		Protected against powerful jet of water from all direction
7		Protected against splashing water from all direction
8		Protected against drop of water falling at upto 15° vertically

Please refer to appropriate catalogue pages for specific ingress Protection rating according to their design and construction



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