



CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

No.: 2021312313000407

Applicant and address

Peppers Cable Glands Limited
Stanhope Road, Camberley, Surrey, GU15 3BT, United Kingdom

Manufacturer and address

Peppers Cable Glands Limited
Stanhope Road, Camberley, Surrey, GU15 3BT, United Kingdom

Factory and address

Peppers Cable Glands Limited
Stanhope Road, Camberley, Surrey, GU15 3BT, United Kingdom

Product, series, specification and model

Barrier Cable Glands

CR****

Ex db I Mb, Ex eb I Mb, Ex db IIC Gb, Ex eb IIC Gb, Ex nR IIC Gc,
Ex ta IIIC Da

Standards

GB/T 3836.1-2021, GB/T 3836.2-2021, GB/T 3836.3-2021,
GB/T 3836.8-2021, GB/T 3836.31-2021

**This product(s) complies with the requirements of CNCA-C23-01: 2024
China Compulsory Certification Implementation Rule on Explosion
Protected Electrical Product.**

Issue date: 2026-07-24 Valid to: 2031-07-25

Detailed information and status of this certificate is available by using the QR code,
visiting CNEx's website or CNCA's website: www.cnca.gov.cn.

This translated document has no legal effect and shall not be used alone.



Director:

Nanyang Explosion Protected Electrical
Apparatus Research Institute Co., Ltd.



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Product information:

1. This certificate covers the following models:

– CR****

Design Options for all CR**** Range of Barrier cable glands:

The entry component and conduit nut internal thread forms:

- ISO Metric to GB/T197 and GB/T2516, 6g fit (male) and 6H (female)
- NPT to ANSI/ASME B1.20.1

Alternative material of construction is as follow and denoted by letter designation in the type number:

- Brass to BS EN 12164 / BS EN 12165 / BS EN 12168 CW614N
CuZn39Pb3
- Stainless Steel to EN 10088-3 grades 316S11, 316S31 316L

Additionally, all metallic materials may be surface coated to limit electrolytic reaction between dissimilar materials, providing the coating does not alter the dimensions of the component part.

The CR-U** Range of Barrier Cable Glands are suitable for use with unarmoured, braided and screened, circular cables.

Type CR-U** Compound – Filled Cable Glands:

Gland Size	Standard Entry threads		Max Diameter Over Cores0	Max No of Cores	Outer Dia. Sheath	
	Metric	NPT			Min	Max
16	M20×1.5	½"	10.4	15	3.4	8.4
20S	M20×1.5	½"	10.4	35	4.8	11.7
20	M20×1.5	½"	12.5	40	9.5	14.0
25	M25×1.5	¾"	16.5	60	11.7	18.5



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32	M32×1.5	1"	23.5	80	18.1	26.3
40	M40×1.5	1"	28.8	130	22.6	32.2
50S	M50×1.5	1"	34.2	200	28.2	38.2
50	M50×1.5	2"	39.4	400	33.1	44.1
63S	M63×1.5	2"	44.8	400	39.3	50.1
63	M63×1.5	2½"	50.0	425	46.7	56.0
75S	M75×1.5	2½"	55.4	425	52.3	62.0
75	M75×1.5	3"	60.8	425	58.0	68.0
80	M80×2.0	3"	64.4	425	61.9	72.0
85	M85×2.0	3"	69.8	425	69.1	78.0
90	M90×2.0	3½"	75.1	425	74.1	84.0
100	M100×2.0	3½"	80.5	425	81.8	90.0

Design options:

A brass continuity washer may be fitted in the 20S to 100 sizes that are used with lead inner sheathed cables, glands with this modification are designated with a '2' in their type number.

Additional assembly options are described by the following designation coding:

Glands Type: CR – U**

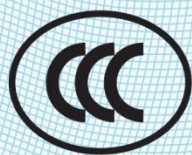
Type	C	R	U	*	*
				2	B S
2	2:Lead Sheath Cable Continuity Washer				
B	B:Brass material				
S	S:Stainless Steel material				

The CR-X** Range of Barrier Cable Glands are suitable for use with,



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unarmoured, braided and screened, circular and non-circular cables.

Type CR-X** Compound filled Cable Glands:

Gland Size	Standard Entry threads		Max Diameter Over Cores	Max No of Cores	Outer Sheath Dia.
	Metric	NPT			
20S	M20×1.5	½"	10.4	35	11.7
20	M20×1.5	½"	12.5	40	14.0
25	M25×1.5	¾"	16.5	60	18.5
32	M32×1.5	1"	23.5	80	26.3
40	M40×1.5	1"	28.8	130	32.2
50S	M50×1.5	1"	34.2	200	38.2
50	M50×1.5	2"	39.4	400	44.1
63S	M63×1.5	2"	44.8	400	50.1
63	M63×1.5	2½"	50.0	425	56.0
75S	M75×1.5	2½"	55.4	425	62.0
75	M75×1.5	3"	60.8	425	68.0
80	M80×2.0	3"	64.4	425	72.0
85	M85×2.0	3"	69.8	425	78.0
90	M90×2.0	3½"	75.1	425	84.0
100	M100×2.0	3½"	80.5	425	90.0

Design option:

A brass continuity washer may be fitted in the 20S to 100 sizes that are used with lead inner sheathed cables, glands with this modification are designated with a '2' in their type number.

Additional assembly options are described by the following designation coding:



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Glands Type: CR - X**

Type	C	R	X	*	*
				2	B S
2	2:Lead Sheath Cable Continuity Washer				
B	B:Brass material				
S	S:Stainless Steel material				

The CR-C*** Range of Barrier Cable Glands are suitable for use with circular, pliable wire, single wire and steel tape armoured cables along with braided/screened and unarmoured cables.

Type CR-C*** (inc CX-C***) Compound-Filled Cable Glands:

Gland Size	Standard thread		Max dia over cores	Max No of cores	Inner Sheath Max	Outer Sheath		Reduced Bore		Armour Type/ Thickness (Universal)
	Metric	NPT				Min	Max	Min	Max	
16	M20×1.5	½"	10.4	15	11.7	8.4	13.5	6.7	10.3	0.15 – 1.25
20S	M20×1.5	½"	10.4	35	11.7	11.5	16.0	9.4	12.5	*0.15 – 1.25
20	M20×1.5	½"	12.5	40	14.0	15.5	21.1	12.0	17.6	**0.15 – 1.25
25	M25×1.5	¾"	17.8	60	20.0	20.3	27.4	16.8	23.9	0.15 – 1.6
32	M32×1.5	1"	23.5	80	26.3	26.7	34.0	23.2	30.5	0.15 – 2.0
40	M40×1.5	1¼"	28.8	130	32.2	33.0	40.6	28.6	36.2	0.2 – 2.0
50S	M50×1.5	1½"	34.2	200	38.2	39.4	46.7	34.8	42.4	0.2 – 2.5
50	M50×1.5	2"	39.4	400	44.1	45.7	53.2	41.1	48.5	0.2 – 2.5
63S	M63×1.5	2"	44.8	400	50.1	52.1	59.5	47.5	54.8	0.3 – 2.5
63	M63×1.5	2½"	50.0	425	56.0	58.4	65.8	53.8	61.2	0.3 – 2.5
75S	M75×1.5	2½"	55.4	425	62.0	64.8	72.2	60.2	68.0	0.3 – 2.5
75	M75×1.5	3"	60.8	425	68.0	71.1	78.0	66.5	73.4	0.3 – 2.5
80	M80×2.0	3"	64.4	425	72.0	77.0	84.0	71.9	79.4	0.45 – 3.15
85	M85×2.0	3"	69.8	425	78.0	79.6	90.0	75.0	85.4	0.45 – 3.15
90	M90×2.0	3½"	75.1	425	84.0	88.0	96.0	82.0	91.4	0.45 – 3.15



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100	M100×2.0	3½"	80.5	425	90.0	92.0	102.0	87.4	97.4	0.45 – 3.15
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Design options:

A brass continuity washer may be fitted in the 20S to 100 sizes that are used with lead inner sheathed cables, glands with this modification are designated with a '2' in their type number.

The CR-C** size 20s and 20 cable glands to be used with an alternative , cone component; in this form, the glands are designated CX-C** (see details below) and are only suitable for braided cables.

Entry thread size	Gland Size	Max Ø Over Cores (mm)	Max No. of Cores	Max Inner Sheath (mm)	Outer Sheath (standard) (mm)		Braid Thickness	
					Min	Max	Min	Max
M20 x 1.5	20S	10.4	8	11.7	11.5	16.0	0.15	0.35

Entry thread size	Gland Size	Max Ø Over Cores (mm)	Max No. of Cores	Max Inner Sheath (mm)	Outer Sheath (standard) (mm)		Braid Thickness.	
					Min	Max	Min	Max
M20 x 1.5	20	12.5	14	14.0	15.5	21.1	0.15	0.5

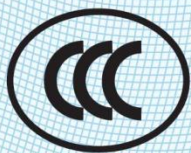
The CR-C** may be used with of an alternative outer sheath seal that is red in colour and has a reduced bore size that accommodates an alternative range of outer sheath cable sizes; in this form, the glands are designated CX-C**R** (see details below):

Entry thread size	Gland Size	Max Ø Over Cores (mm)	Max No. of Cores	Max Inner Sheath (mm)	Outer Sheath (standard) (mm)		Braid Thickness.	
					Min	Max	Min	Max
M20 x 1.5	20S	10.4	8	11.7	9.4	12.5	0.15	0.35



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M20 1.5	x	20	12.5	14	14.0	12.0	17.6	0.15	0.5
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Additional assembly options are described by the following designation coding: -

Glands Type: CR – C***

Type	C	R	C	*	*	*
				2	B S	R
2	2:Lead Sheath Cable Continuity Washer					
B	B:Brass material					
S	S:Stainless Steel material					
R	R:Reduced bore option					

The CR**** Range of Barrier Cable Glands , when installed with the silicone O-ring provided by the manufacturer, have an ingress protection rating of IP66 and IP68 (tested at a depth of 100 m for 7 days).

Ex marking: Ex db I Mb, Ex eb I Mb, Ex db IIC Gb, Ex eb IIC Gb, Ex nR IIC Gc, Ex ta IIIC Da

- Producers should organize production in accordance with the technical documents approved by the certification body.

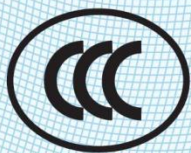
2. Specific conditions of use:

- When used in areas that require Group IIC or Group III equipment, the risk of electrostatic charges shall be minimized – see operating instructions.
- The cable glands shall not be used in enclosures where the temperature, at the point of entry/mounting, is outside of the range -60°C~+135°C.
- The Ingress Protection rating that is required to ensure compliance with the standards used in this certificate was determined by testing the devices fitted into a representative enclosure having a smooth flat mounting surface. In practice, the interface between the male thread of the glands and their associated enclosure cannot be defined therefore,



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it is the user's responsibility to ensure that the appropriate ingress Protection level is maintained at these interfaces.

- The threaded entry component threads without interface O-ring seals installed in an explosive dust atmosphere, within threaded entries, shall only be fitted into enclosures that have either:
 - Parallel entries that will ensure that a minimum of 5 full threads of contact will be maintained.
 - Tapered entries that will ensure that a minimum of 3½ full threads of contact will be maintained.
- See instruction for other information.

3. Certificate change information:

- This certificate is issued for renewal upon expiration. The first issuance date of the certificate is: July 26, 2021..



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