



CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

No.: 2021312313000425

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
UL-abc-d-e
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/T3836.1-2021, GB/T3836.2-2021, GB/T3836.3-2021,
GB/T3836.8-2021, GB/T3836.31-2021

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

Issue date: 2026-08-14 Valid to: 2031-08-16

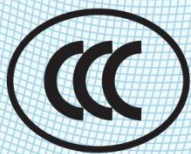
Detailed information and status of this certificate is available by using the QR code,
visiting CNEx's website or CNCA's website: www.cnca.gov.cn.

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



Director:

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Product information:

1. This certificate covers the following models:

- UL-abc-d-e

The product type is derived from the following options:

a	Product Type
	X = For use with unarmoured cable, no outer seal U = For use with unarmoured cable and fitted with elastomeric outer seal C = For use with cables utilising SWA armour, braid, tape or screen and fitted with elastomeric outer seal
b	Material of manufacture
	B = Brass S = Stainless steel
c	Bore (UL-Cbc-d-e only)
	Blank = Standard bore R = Reduced bore
d	Gland size
	16, 20S, 20, 25, 32, 40, 50S, 50, 63S, 63, 75S, 75
e	Thread type and size
	Mxx, x" NPT

Alternative metallic materials of manufacture:

The UL- abc-d-e Range of Barrier Cable Glands may be manufactured from the following materials:

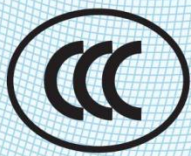
- Brass grade CW614 (CuZn 39Pb3)/ CZ121 3Pb
- Stainless Steel 1.4401/ 316 S31
- Stainless Steel 1.4404/ 316 S11/316L

Additionally, all metallic materials may be surface coated to limit electrolytic reaction between dissimilar materials, as long as they do not



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dimensionally alter the components.

- UL-Ubc-d-e cable glands comprising a range of sizes between 16 and 75.
- UL-Xbc-d-e cable glands comprising a range of sizes between 20S and 75.
- UL-Cbc-d-e cable glands comprising a range of sizes between 16 and 75.

Each size has a specified cable diameter range.

UL-Ubc-d-e Range of Barrier Cable Glands:

The UL-Ubc-d-e Range of Barrier Cable Glands are suitable for use with circular, unarmoured, braided or screened cables.

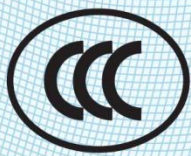
The following table details the available thread sizes, maximum number of cores that the gland can accept and the range of acceptable cable sizes for the UL-Ubc-d-e range.

Gland Size	Standard threads	Entry	Standard Alternative threads	Entry	Max. number of cores	Max. Ø over cores (mm)	Outer sheath size (mm)	
	Metric	NPT	Metric	NPT			Min	Max
16	M20x1.5	½"	M25x1.5	¾"	15	10.4	3.4	8.4
20S	M20x1.5	½"	M25x1.5	¾"	35	10.4	4.8	11.7
20	M20x1.5	½"	M25x1.5	¾"	40	12.5	9.5	14.0
25	M25x1.5	¾"	M32x1.5	1"	60	17.8	11.7	20.0
32	M32x1.5	1"	M40x1.5	1¼"	80	23.5	18.1	26.3
40	M40x1.5	1¼"	M50x1.5	1½"	130	28.8	22.6	32.2
50S	M50x1.5	2"	M63x1.5	-	200	34.9	28.2	38.2
50	M50x1.5	2"	M63x1.5	-	400	39.4	33.1	44.1
63S	M63x1.5	2½"	M75	-	400	44.8	39.3	50.1



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63	M63x1.5	2½"	M75	-	425	50.0	46.7	56.0
75S	M75x1.5	3"	-	-	425	55.4	52.3	62.0
75	M75x1.5	3"	-	-	425	60.8	58.0	68.0

UL-Xbc-d-e Range of Barrier Cable Glands:

The UL-Xbc-d-e Range of Barrier Cable Glands are suitable for use with, unarmoured, braided and screened, circular and non-circular cables.

The following table details the available thread sizes, maximum number of cores that the gland can accept and the range of acceptable cable sizes.

Type UL-Xbc-d-e Marine Shipboard Cable Glands

Gland Size	Standard threads Entry		Standard Alternative threads Entry		Max. number of cores	Max. Ø over cores (mm)	Max Outer sheath size (mm)
	Metric	NPT	Metric	NPT			
20S	M20x1.5	½"	M25x1.5	¾"	35	10.4	11.7
20	M20x1.5	½"	M25x1.5	¾"	40	12.5	14.0
25	M25x1.5	¾"	M32x1.5	1"	60	17.8	20.0
32	M32x1.5	1"	M40x1.5	1¼"	80	23.5	26.3
40	M40x1.5	1¼"	M50x1.5	1½"	130	28.8	32.2
50	M50x1.5	2"	M63x1.5	-	400	39.4	44.1
63	M63x1.5	2½"	M75x1.5	-	425	50.0	56.0
75	M75x1.5	3"	-	-	425	60.8	68.0

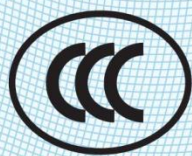
UL-Cbc-d-e Range of Barrier Cable Glands

The UL-Cbc-d-e Range of Barrier Cable Glands are suitable for use with circular, pliable wire, single wire and steel tape armoured cables



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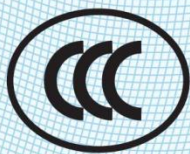
along with braided/screened and un-armoured cables.

Glan d Size	Standard Entry		Standard Alternative Entry threads		Max. No of core s	Max. Ø over core s (mm)	Max Inner Sheat h (mm)	Outer sheath size (mm)				Armour Dia./ Thicknes s Universal (mm)
	Metric	NPT	Metric	NPT				Standard		Reduced Bore		
								Min	Max	Min	Max	
M16	M20x1.5	½"	M25x1.5	¾"	15	10.4	11.7	9.2	13.5	6.7	10.3	0.15-1.25
M20 S	M20x1.5	½"	M25x1.5	¾"	35	10.4	11.7	11.5	16	9.4	12.5	0.15-1.25
M20	M20x1.5	½"	M25x1.5	¾"	40	12.5	14.0	15.5	21.1	14.3	17.6	0.15-1.25
M25	M25x1.5	¾"	M32x1.5	1"	60	17.8	20.0	20.3	27.4	17.5	23.9	0.15-1.6
M32	M32x1.5	1"	M40x1.5	1¼"	80	23.5	26.3	26.7	34.0	25.0	30.5	0.15-2.0
M40	M40x1.5	1¼"	M50x1.5	1½"	130	28.8	32.2	33.0	40.6	29.3	36.2	0.20-2.0
M50 S	M50x1.5	2"	M63x1.5	-	200	34.9	38.2	39.4	46.7	38.1	42.4	0.20-2.5
M50	M50x1.5	2"	M63x1.5	-	400	39.4	44.1	45.7	53.2	41.1	48.5	0.20-2.5
M63 S	M63x1.5	2½"	M75x1.5	-	400	44.8	50.1	52.1	59.5	46.9	54.8	0.30-2.5
M63	M63x1.5	2½"	M75x1.5	-	425	50.0	56.0	58.4	65.8	53.8	61.2	0.30-2.5
M75 S	M75x1.5	3"	-	-	425	55.4	62.0	64.8	72.2	62.7	68.0	0.30-2.5
M75	M75x1.5	3"	-	-	425	60.8	68.0	71.1	78.0	66.5	73.4	0.30-2.5



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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

Service Temperature: Ts= -60°C~+135°C

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

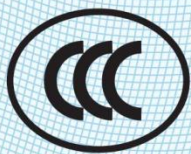
2. Specific conditions of use:

- The UL-* Range of Barrier Cable Glands fitted with sealing rings, When installed in accordance with the manufacturer's instructions and with an appropriate enclosure on which they are fixed, are capable of providing an ingress protection of IP66 and IP68 (50 meters 7 days).
- 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 to +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, it is the user's responsibility to ensure that the appropriate Ingress Protection level is maintained at these interfaces.
- The parallel threaded entry component threads will be suitably sealed using a method that is applicable to the associated equipment to which the gland will be attached. This will be in accordance with the relevant installation code of practice and will ensure that any ingress protection and restricted breathing sealing requirements are maintained.
- 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:



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- 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 3 ½ full threads of contact will be maintained.
- UL-Ubc-d-e, UL-Xbc-d-e, UL-Cbc-d-e series of cable glands are manufactured with a cylindrical flameproof joint between the entry body and the front ferrule. This joint is not intended for repair.
- See instruction .

3. Certificate change information:

- This certificate is issued for renewal upon expiration. The first issuance date of the certificate is: August 17, 2021.



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