

# Single Seal Gland for Unarmoured Cable featuring a Hose Connection

Ex db : Ex eb : Ex nR : Ex ta : IP66 : IP68



## PRODUCT TYPE A\*LCH



### PRODUCT DESCRIPTION

"A\*LCH\*\*\*" type glands are certified Flameproof Ex db, Increased Safety Ex eb, Restricted Breathing Ex nR and Dust Protected Ex ta. They are suitable for use in Zone 1 and 2 for Gas Groups IIA, IIB and IIC and additionally for use in Zones 20, 21 and 22 for Dust Groups IIIA, IIIB and IIC. Commonly referred to as "stuffing glands", they provide a controlled pull resistant environmental displacement seal on the cable outer sheath, minimising damage to cables that exhibit "cold flow" characteristics. The gland maintains IP66 & IP68 to 50 metres. It is supplied with an IP O-ring seal as standard on metric entry threads. Options are available for use with LSOH cables and extreme temperature applications. The gland features an extended tail for connection of suitable hose.

### COMPLIANCE STANDARDS:

EN 60079-0, EN 60079-1, EN 60079-7, EN 60079-15, EN 60079-31  
IEC 60079-0, IEC 60079-1, IEC 60079-7, IEC 60079-31 & IEC 60529

### CERTIFICATION:

<b>UKEX</b>	II 1D 2G Ex db IIC Gb / Ex eb IIC Gb / Ex ta IIIC Da II 3G Ex nR IIC Gc
<b>ATEX</b>	II 1D 2G Ex db IIC Gb / Ex eb IIC Gb / Ex ta IIIC Da II 3G Ex nR IIC Gc
<b>IECEX</b>	Ex db IIC Gb / Ex eb IIC Gb / Ex nR IIC Gc / Ex ta IIC Da
<b>EAC</b>	1Ex db IIC Gb X / 1Ex eb IIC Gb X / 2Ex nR IIC Gc X / Ex ta IIIC Da X
<b>INMETRO - Brazil</b>	Ex db IIC Gb / Ex eb IIC Gb / Ex ta IIIC Da / Ex nR IIC Gc
<b>CCC - China</b>	Ex db IIC Gb / Ex eb IIC Gb / Ex nR IIC Gc / Ex ta IIC Da
<b>UKRAINE</b>	II 2G Ex db IIC Gb / II 2G Ex eb IIC Gb / II 3G Ex nR IIC Gc / II 1D Ex ta IIIC Da
<b>CCoE - India</b>	Ex db IIC Gb / Ex eb IIC Gb / Ex nR IIC Gc / Ex ta IIC Da
<b>ABS</b>	Specified ABS Rules
<b>LLOYD'S</b>	Ex db IIC Gb / Ex eb IIC Gb / Ex nR IIC Gc / Ex ta IIIC Da
<b>DNV</b>	Ex db IIC Gb / Ex eb IIC Gb / Ex nR IIC Gc / Ex ta IIIC Da

### CERTIFICATION No.:

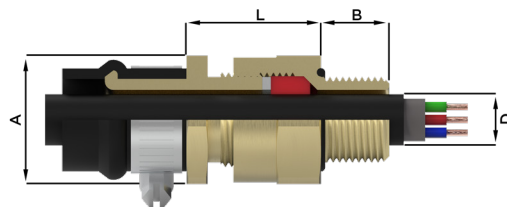
<b>UKEX</b>	CML 21UKEX1032X & CML 21UKEX4043X
<b>ATEX</b>	CML 19ATEX1345X & CML 19ATEX4109X
<b>IECEX</b>	IECEX CML 19.0103X
<b>EAC</b>	RU C-GB.AXK58.B.051063/24
<b>INMETRO - Brazil</b>	NCC 13.2012 X
<b>CCC - China</b>	2021312313000408
<b>UKRAINE</b>	CL 18.0325 X
<b>CCoE - India</b>	PESO P494321/6 & P494321/13
<b>ABS</b>	20-LD1944057-PDA
<b>LLOYD'S</b>	LR2124442TA
<b>DNV</b>	TAE00004XK

### CABLE GLAND SELECTION TABLE (ALL DIMENSIONS IN mm)

Gland & Connector Size	Entry Thread Size		Metric Thread Length [B]	Cable Acceptance Details Outer Sheath [D]		Typical Hose Diameter I/D	Nominal Protusion Length [L]	Dimensions/Weight (Metric)		
	Metric	NPT		Min	Max			Across Flats [A]	Across Corners	Weight (Kgs)
12-1"	M12 x 1.5	3/8"	16	0.9	6.0	16.0	26	19.0	20.9	0.051
12-2"	M16 x 1.5	3/8" or 1/2"	16	0.9	6.0	16.0	25	25.4	28.0	0.092
16-1	M16 x 1.5	3/8" or 1/2"	16	4.0	8.4	16.0	30	25.4	28.0	0.118
20S-1	M20 x 1.5	1/2" or 3/4"	16	7.2	11.7	16.0	35	25.4	28.0	0.122
20S-2	M20 x 1.5	1/2" or 3/4"	16	7.2	11.7	19.2	35	25.4	28.0	0.142
20-1	M20 x 1.5	1/2" or 3/4"	16	9.4	14.0	19.2	35	30.0	33.0	0.159
25-1	M25 x 1.5	3/4" or 1"	16	13.5	20.0	25.5	35	37.6	41.4	0.247
25-2	M25 x 1.5	3/4" or 1"	16	13.5	20.0	31.9	35	37.6	41.4	0.339
32-1	M32 x 1.5	1" or 1 1/4"	16	19.5	26.3	31.9	35	46.0	50.6	0.339
40-1	M40 x 1.5	1 1/4" or 1 1/2"	16	23.0	32.2	38.2	38	55.0	60.5	0.537
50S-1	M50 x 1.5	1 1/2" or 2"	16	28.1	38.2	50.9	38	65.0	71.5	0.768
50-1	M50 x 1.5	2"	16	33.1	44.1	50.9	38	65.0	71.5	0.710
63S-1	M63 x 1.5	2" or 2 1/2"	19	39.2	50.1	63.6	38	80.0	88.0	1.218
63-1	M63 x 1.5	2 1/2"	19	46.7	56.0	63.6	38	80.0	88.0	1.122
75S-1	M75 x 1.5	2 1/2"	19	52.1	62.0	76.3	38	90.0	99.0	1.557
75-1	M75 x 1.5	3"	19	58.0	68.0	76.3	38	90.0	99.0	1.472
80-1	M80 x 2.0	3" or 3 1/2"	25	62.2	72.0	76.3	50	104.0	115.2	1.920

### NOTES

- Gland size does not necessarily equate to the entry thread size.
- The IP O-ring seal is only available on metric entry threads. IP washers can be supplied for tapered entry threads.
- Dimensions (A) & (B) may differ for glands with non metric entry threads. Please refer to our "Thread Reference Tables" for specific dimensions.
- Assembly instructions must be read prior to installation and adhered to in full.
- Peppers supply products with parallel entry threads that conform to the flameproof threaded joint requirements of IEC/EN 60079-1 and other equivalent standards. We usually incorporate a thread run out according to general machining techniques and parts will not have a full form thread for the entire length. Peppers Cable Glands Limited will not be held responsible for clients' installations where this has not been taken into account.



### EXAMPLE PART NUMBERING: A2LCHBF/NP/20-1/M20

<b>A</b>	Gland featuring controlled displacement sealing
<b>2</b>	Neoprene Seals (2) - Silicone (3) - Neoprene/Lead (1) - Silicone/Lead (4)
<b>LCH</b>	Fixed Hose Connection
<b>B</b>	Aluminium (A) / Brass (B) / Stainless Steel (S)
<b>F</b>	Multiple Certification
<b>K-V-H</b>	Locknut & Nylon (K), Fibre (V) or PTFE (H) IP Washer
<b>T</b>	Including Earth Tag
<b>S</b>	Including Serrated Washer
<b>1</b>	Quantity per kit
<b>NP</b>	Nickel Plated
<b>20-1</b>	Gland shell size
<b>M20</b>	M20 x 1.5mm Male Entry Thread

### OPTIONAL ACCESSORIES:

<b>LOCKNUT (L)</b>	Brass (ACBLN) / Stainless Steel (ACSLN) / Aluminium (ACALN)
<b>EARTH TAG (T)</b>	Brass (ACBET) / Stainless Steel (ACSET) / Aluminium (ACAET)
<b>IP WASHERS</b>	Nylon (N) / Fibre (J) / PTFE (Z)
<b>SERRATED WASHERS</b>	Stainless Steel (S)

<b>IP RATING:</b>	IP66 & IP68 (50 metres - 7 days)
<b>OPERATING TEMP:</b>	Neoprene Seals -35°C to +90°C Silicone Seals -60°C to +180°C
<b>MATERIALS:</b>	Aluminium, Brass or Stainless Steel
<b>PLATING:</b>	Electroless Nickel