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Cable Gland Type UL-C (featuring "CROCLOCK®") — Class I Div 1 : Ex d : Ex e : Ex nR : Ex ta : IP66 : IP68

Part Numbers:

U	L	C	B	*
			S	R

"UL-C" type glands, certified Explosion Proof Class I Div 1, Gas Groups ABCD, Flameproof Ex d, Increased Safety Ex e & Restricted Breathing Ex nR are suitable for use in Zone 1, Zone 2, Zone 21, Zone 22, Group I Mining, Gas Groups IIA, IIB, IIC and Dust Groups IIIA, IIIB, IIIC. Occasionally referred to as "potting glands", they provide a compound barrier Ex d & IP seal on the cable inner cores, eliminating damage to cables that exhibit "cold flow" characteristics and an environmental seal on the outer sheath. The gland is UL listed for Marine Shipboard Armoured, Jacketed or Non Jacketed cable. The unique features include, "CROCLOCK®", the non reversible multi clamping system for wire (W), braid (X) and tape (Z) armoured cables and Peppers T-1000, the sealing compound that enables a quick and easy installation. The gland is rated NEMA 4X, maintains IP66, IP68 to 100 metres and is deluge proof without the use of an additional seal or deluge boot.

Compliance Standard: UL2225 & UL514B
EN 60079-0, EN 60079-1, EN 60079-7, EN 60079-15, EN 60079-31
IEC 60079-0, IEC 60079-1, 60079-7, IEC 60079-15, IEC 60079-31 & IEC 60529

Certification:		
	UL	Class I Division 1, Gas Groups ABCD
	ATEX	I M2 II 2GD Ex d I Mb & IIC Gb / Ex e I Mb & IIC Gb / Ex ta IIIC Da II 3GD Ex nR IIC Gc
	IECEx	Ex d I Mb & IIC Gb / Ex e I Mb & IIC Gb / Ex ta IIIC Da / Ex nR IIC Gc
	GOST-R	Ex d I & IICU / Ex e IIU
	ABS	1-1-4/7.7, 4.8-3/1.7, 4-8-3/13 and 4-8-4/27.5 MODU Rules 4-3-3/9
	LLOYD'S	Enclosure Systems (Part 1B)

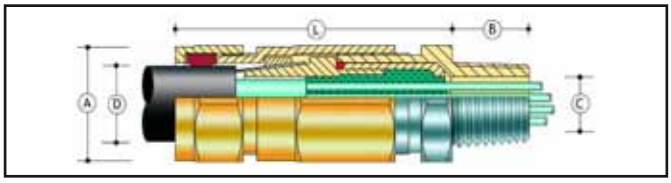
Certificate No.		
	UL	File No. E248936
	ATEX	SIRA 09ATEX1066X & SIRA 09ATEX4124X
	IECEx	SIR 09.0033X
	GOST-R	РОСС GB.ГБ06.B00853
	ABS	09-LD463991A-PDA
	LLOYD'S	10/00056

IP Rating: IP66 & IP68 (100 metres - 7 Days), NEMA 4X & DTS01 1991

Operating Temperature:		
	UL	-25°C to +85°C
	ATEX / IECEx	-60°C to +135°C

Materials: Brass or Stainless Steel
Plating: Nickel
Compound: Peppers T-1000 sealing compound

Curing Time: @ 21°C
Conductor termination can be effected after 1 hour
The equipment can be energised after 4 hours



Example Part Numbering (See below for details) — UL-CBCK1/NP/20/075NPT

	UL-C	Type of gland featuring "CROCLOCK®", single orientation clamping, Compound (Barrier) Inner Seal & Silicone Elastomeric Outer Seal
	B	Brass (B) / Stainless Steel (S)
Options	R	Reduced Bore Seal
	C	PVC Shroud (C) - PCP Shroud (P) - LSOH Shroud (3)
	K or V	Locknut, Earth Tag & Nylon (K) or Fibre (V) IP Washer
	S	Including Serrated Washer
	1	Quantity per kit
	NP	Nickel Plated (NP)
	20	Gland shell size
	075NPT	3/4"NPT Entry Thread

Optional Accessories		
	Locknut	Brass (ACBLN) / Stainless Steel (ACSLN)
	Earth tag	Brass (ACBET) / Stainless Steel (ACSET)
	IP Washers	Nylon (ACNSW) / Fibre (ACFSW)
	Serrated Washers	Stainless Steel (ACSSW)
	Shrouds	PVC (ACSPVC) / PCP (ACSPCP) / LSOH (ACSSIO)

CABLE GLAND SELECTION TABLE

Gland Size	Entry Thread Size		ISO Thread Length [B]	NPT Thread Length [B]	Cable Acceptance Details							Armour Acceptance Range	Nominal Protrusion Length [L]	Dimensions/Weight (NPT Entry Thread Versions)			Metric Thread Shroud Size
					Cable Inner Sheath [C]			Cable Outer Sheath [D]									
					Number of Cores	Max Ø Over Cores	Max Inner Sheath	Standard		Reduced				Across Flats	Across Corners [A]	Weight (lbs)	
	Metric	NPT						Min	Max	Min	Max						
16	M20 x 1.5	1/2" or 3/4"	0.630	0.783	15	0.409	0.461	0.362	0.531	0.264	0.406	0.006-0.049	3.228	1.000	1.102	0.589	EL24
20S	M20 x 1.5	1/2" or 3/4"	0.630	0.783	35	0.409	0.461	0.508	0.630	0.370	0.492	0.006-0.049	3.228	1.000	1.102	0.606	EL24
20	M20 x 1.5	1/2" or 3/4"	0.630	0.783	40	0.492	0.551	0.610	0.831	0.563	0.693	0.006-0.049	3.268	1.180	1.299	0.721	EL30
25	M25 x 1.5	3/4" or 1"	0.630	0.795	60	0.701	0.787	0.799	1.079	0.689	0.941	0.006-0.063	3.661	1.480	1.630	1.290	EL38
32	M32 x 1.5	1" or 1 1/4"	0.630	0.985	80	0.925	1.035	1.051	1.339	0.984	1.201	0.006-0.079	4.331	1.810	1.992	2.083	EL46
40	M40 x 1.5	1 1/4" or 1 1/2"	0.630	1.008	130	1.134	1.268	1.299	1.598	1.154	1.425	0.008-0.079	4.528	2.170	2.382	2.900	EL55
50S	M50 x 1.5	2"	0.630	1.059	200	1.346	1.736	1.551	1.839	1.499	1.669	0.008-0.098	4.921	2.560	2.815	4.800	EL65
50	M50 x 1.5	2"	0.630	1.059	400	1.551	1.736	1.799	2.094	1.618	1.909	0.008-0.098	4.921	2.560	2.815	4.200	EL65
63S	M63 x 1.5	2 1/2"	0.748	1.571	400	1.764	2.205	2.051	2.343	1.846	2.157	0.012-0.098	4.921	3.150	3.465	7.740	EL80
63	M63 x 1.5	2 1/2"	0.748	1.571	425	1.969	2.205	2.299	2.591	2.118	2.409	0.012-0.098	4.921	3.150	3.465	6.810	EL80
75S	M75 x 1.5	3"	0.748	1.634	425	2.181	2.677	2.551	2.843	2.469	2.677	0.012-0.098	5.315	3.760	4.134	9.150	EL104
75	M75 x 1.5	3"	0.748	1.634	425	2.394	2.677	2.799	3.071	2.618	2.890	0.012-0.098	5.315	3.760	4.134	8.040	EL104

All dimensions in inches - [Convert to millimetres (mm) multiply by 25.4] - [Convert to kilograms (Kgs) multiply by 0.4536]

Notes:
* Gland size does not necessarily equate to the entry thread size.
* Dimensions (A) & (B) may differ for glands with non metric entry threads. Please refer to our "Thread Reference Tables" for specific dimensions.
* Where glands are fitted into non-metallic Ex e enclosures they must be included within the earth circuit of the system.
* The user should seek expert advice if intending to combine flammable and combustible dust in one environment/installation.
* Assembly instructions must be read prior to installation and adhered to in full.
* Peppers supply cable glands with parallel entry threads that conform to the flameproof threaded joint requirements of IEC/EN 60079-1 and other equivalent standards. They usually incorporate a thread run out according to the available machining techniques and will not have a full form thread for the entire length. Peppers will not be held responsible for clients' installations where this has not been taken into account.
* To maintain the specified IP rating, clearance holes must be in accordance with EN 50262 Table 1 and the entry device should be suitably secured.
* The gland is supplied with the correct amount of the two-part compound, gloves and instructions to allow one complete termination.
* Metric versions are supplied with an IP O-ring.
* All entry threads are nickel plated as standard.
* Gland kits can be supplied with a PTFE IP washer in order to maintain the temperature range if required.