

Peppers Cable Glands Limited

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Barrier Gland:- Type UL-C



Including type No's:

U	L	C	*	*
			B	R
			S	

UL-C Type Explosion-proof glands featuring Croclock[®], provide a compound seal preventing the passage of gas or vapours through the gland and the propagation of flame into the cable core. The glands are UL listed; suitable for Marine Shipboard Jacketed or non-Jacketed cable; NEMA 4X applications and are Deluge-Proof.

DESIGN STANDARD	UL2225 & UL514B	
CERTIFICATION	CLASS I, DIVISION 1 GAS GROUPS ABCD	
CERTIFICATE	File No. E248936	
GLAND MARKING	-25+85C UL-C CL I Div 1 ABCD 4X CL I Zone 1 IIC 34WR Peppers GU15 3BT UK IP66	
LISTED APPLICATION	Class I, Division 1 ABCD Croclock [®] UL-C type glands will maintain the Explosion-Proof integrity of electrical equipment when used with suitable listed cable types. NEC 505: Class I, Zone 1, Gas Groups IIC, IIB, IIA. Croclock [®] UL-C type glands will maintain the Flameproof integrity of electrical equipment when used with suitable listed cable types.	
INGRESS PROTECTION	NEMA 4X. Meets the requirements of DTS01 1991 and IP66	
CURING TIME	@21°C Conductor termination can be effected after 1 hour The equipment can be energised after 4 hours	
MATERIALS	Brass CZ121 (UL-CB) Stainless Steel 316 (UL-CS) Inner LSOH compound Standard outer sheath seal is LSOH silicone, white Reduced bore outer sheath seal is LSOH silicone, red (UL-C*R)	
OPTIONS	THREADS	ISO Metric; NPT; NPSM
	PLATING	Zinc (ZP); Nickel (NP); Tin (TP); Electroless Nickel (EN) - All entry threads are nickel plated as standard
OPERATING TEMPERATURES	-25°C to +85°C	

ACCESSORIES	Locknut - Brass (ACBLN); 316 Stainless Steel (ACSLN) Earth Tag - Brass (ACBET), 316 Stainless Steel (ACSET) IP Washer - Nylon (ACNSW); Red Fibre (ACFSW) Serrated Lock Washer - 316 Stainless Steel (ACSSW), Galvanised Steel (ACGSW) Shroud - PVC (ACSPVC)
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EXAMPLE PART NUMBER	Sample: UL-CBR / 20 / 050NPT UL-C - Gland type, armour type (SWA) and body material (Brass) UL-*B - Material (Brass) UL-**R - Reduced bore outer seal 20 - Fitting size = 20 050NPT - ½” NPT entry thread
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Gland Size	Entry Threads		Entry Thread Length [B]	Max Across Corners [A]	Max Protrusion Length	Gland Seal Range				Armour Acceptance Range	Shroud Size	
						Cable Inner Sheath [C]	Cable Outer Sheath [D]		Max Inner Sheath			
	Standard	Reduced (R)					Min	Max				
16	M20	½” or ¾”	0.783	1.102	2.835	0.461	0.362	0.531	0.264	0.406	0.006-0.049	L24
20s	M20	½” or ¾”	0.783	1.102	2.835	0.461	0.453	0.630	0.370	0.492	0.006-0.049	L24
20	M20	½” or ¾”	0.783	1.299	2.874	0.551	0.610	0.831	0.563	0.693	0.006-0.049	EL30
25	M25	¾” or 1”	0.795	1.630	3.268	0.787	0.799	1.079	0.689	0.941	0.006-0.063	EL38
32	M32	1” or 1¼”	0.985	1.992	4.055	1.035	1.051	1.339	0.984	1.201	0.006-0.079	EL46
40	M40	1¼” or 1½”	1.008	2.382	4.134	1.268	1.299	1.598	1.154	1.425	0.008-0.079	EL55
50s	M50	2”	1.059	2.815	4.528	1.504	1.551	1.839	1.499	1.669	0.008-0.098	EL65
50	M50	2”	1.059	2.815	4.528	1.736	1.799	2.094	1.618	1.909	0.008-0.098	EL65
63s	M63	2½”	1.571	3.465	4.528	1.972	2.051	2.343	1.846	2.157	0.012-0.098	EL80
63	M63	2½”	1.571	3.465	4.528	2.205	2.299	2.591	2.118	2.409	0.012-0.098	EL80
75s	M75	3”	1.634	4.134	4.803	2.441	2.551	2.843	2.469	2.677	0.012-0.098	EL104
75	M75	3”	1.634	4.134	4.803	2.677	2.799	3.071	2.618	2.890	0.012-0.098	EL104

All Dimensions are in inches

NOTES:

- Gland Size does not necessarily equate to the entry thread size
- Integral entry thread seal option is not available for glands with tapered entry threads. IP washers can be supplied if required
- Please note that dimensions (A) and (B) may differ for glands with parallel entry threads. Please refer to our thread data tables for specific dimensions
- Unless otherwise stated ISO Metric entry threads have a 1.5mm pitch
- Full assembly instructions are supplied with glands, the instructions must be read prior to installation and adhered to in full
- For Class I Group A locations, the joint made by fitting the gland to the enclosure female thread must comply with standard UL 886 clause 6.1 as follows:-
 NPT threads must have at least five threads fully engaged
 Metric and NPS threads must have at least eight threads fully engaged
- In order to maintain an IP rating greater than IP54, when used in a clearance hole, a suitable IP washer is required.
- Peppers supplies cable glands with parallel entry threads which conform to the flameproof threaded joint requirements of IEC 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.

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