

Peppers Cable Glands Limited

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Barrier Gland:- Type UL-X



Including type No's:

U	L	X	*
			B
			S

UL-X Type Explosion-proof glands 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 non-armoured cable; NEMA 4X applications and are Deluge-Proof.

DESIGN STANDARD	UL2225 & UL514B		
CERTIFICATION		CLASS I, DIVISION 2 GAS GROUPS ABCD	
CERTIFICATE	File No. E248936		
GLAND MARKING	-25+85C UL-X CL I Div 2 ABCD 4X CL I Zone 1 IIC 34WR Peppers GU15 3BT UK IP66		
LISTED APPLICATION	Class I, Division 2 ABCD UL-X type glands will maintain the Explosion-Proof integrity of electrical equipment when used with suitable listed cable types. NEC 505: Class I, Zone 2, Gas Groups IIC, IIB, IIA. UL-X 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		
CURING TIME	@21°C Conductor termination can be effected after 1 hour The equipment can be energised after 4 hours		
MATERIALS	Brass CZ121 (UL-XB) Stainless Steel 316 (UL-XS) Inner LSOH compound		
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-XB / 20 / 050NPT UL-X - Gland type UL-*B - Material (Brass) 20 - Fitting size = 20 050NPT - ½" NPT entry thread
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Gland Size	Trade Size		Entry Thread Length [B] NPT	Max Across Corners [A]	Max Protrusion Length	Maximum Sheath Diameter [C]	Shroud Size
	Metric	NPT					
20s	M20	½" or ¾"	0.783	1.102	1.654	0.461	L24
20	M20	½" or ¾"	0.783	1.299	1.732	0.551	L30
25	M25	¾" or 1"	0.795	1.630	1.890	0.787	L38
32	M32	1" or 1¼"	0.985	1.992	2.087	1.035	L46
40	M40	1¼" or 1½"	1.008	2.382	2.126	1.268	L55
50	M50	2"	1.059	2.815	2.126	1.736	L65
63	M63	2½"	1.571	3.465	2.165	2.205	L80
75	M75	3"	1.634	4.134	2.362	2.677	L90

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 6.4.1 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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