

DRG. No.  
PCG/ATX/ULU

DO NOT SCALE OFF DRAWING "IF IN DOUBT ASK".  
REPORT ALL ERRORS AND ALTERATIONS.

THIRD ANGLE PROJECTION

**MARKING**

1. EXAMPLE OF MARKING ON BAND: -

PEPPERS GU15 3BT UK XX (Year Code)  
UL-UB 20 M20  
Exdb I Mb /Exdb IIC Gb/Exeb I Mb/Exeb IIC Gb  
Extra IIIC Da IP66 IP68 Ex I M2 II 1D/2G  
SIRA 09ATEX1066X IECEX SIR 09.0033X

2. OTHER MARKS: -

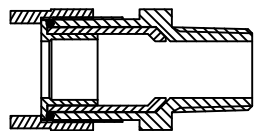
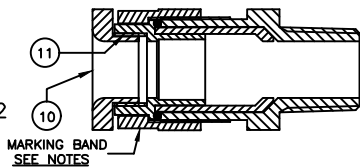
II 3G  
Ex nR IIC Gc  
SIRA10ATEX4124X

COMPLIANT WITH PEPPERS DRAWING  
PCG/ATX/PEXMP. OTHER INFORMATION MAY BE  
MARKED ON THE CABLE GLAND IN ACCORDANCE  
WITH ITS APPROPRIATE APPROVALS.

DRAWN RJW  
DATE 14/06/2010  
CHECKED  
APPROVED  
CAD REF  
SCALE N.T.S

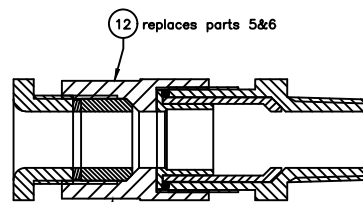
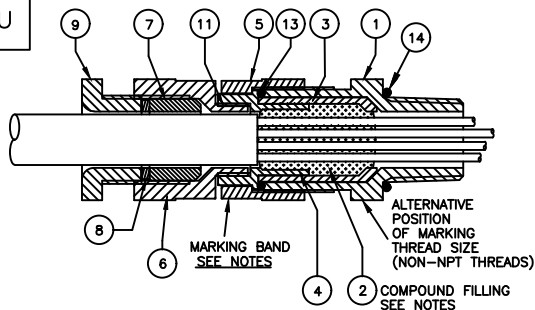
**Variant UL-X**

The assembly is the same as UL-U except part 10 replaces parts 6,7,8,9 &12



UL-X sizes 20S & 20

**UL-U**



UL-U sizes 16, 20S & 20

**GLAND TYPE NUMBERING**

UL-xx xxx xxxx = Gland Type and Part Number code  
 Thread type & size  
 Gland size  
 B=Components are brass  
 S=Components are stainless steel  
 U=Compound-filled with jacket seal  
 X=Compound-filled without jacket seal  
 'UL' product range

**MAXIMUM CEC DATA**

GLAND SIZE	ATEX/IEC Max No. of Cores	NEC Max No. of Cores
16	15	1
20S	35	4
20	40	8
25	60	16
32	80	30
40	130	60
50S	200	5
50	400	5
63S	400	4
63	425	4
75S	425	4
75	425	4

ISSUE  
1. Original  
2. 19/7/2013  
Note g & h added. Max core and temperature range detail clarified. Entry thread sizes clarified and Core data separated into table.  
3. 26/01/2015  
Thread sizes column title, Marking and Note h amended.  
4. 20/02/2017  
PCG/ATX/82V & PCG/ATX/91V parts added for size 16 assembly. "ATX" drawing refs added. Marking updated. Note e amended.

**PARTS LIST & CERTIFICATE CROSS-REFERENCE**

Ballon Ref	Part Description	Drawing Number	Alternative Drawing Number	Other Certificate Nos. used on	Other Certificate Nos. used on	Other Certificate Nos. used on
1	ENTRY BODY	PCG/ATX/31UL	PCG/ETDUL	---	---	---
2	COMPOUND (f)	---	---	SIRA 03ATEX1479X	---	---
3	FRONT FERRULE	PCG/ATX/32UL	---	---	---	---
4	REAR FERRULE	PCG/ATX/34UL	---	---	---	---
5	UNION NUT (c)	PCG/ATX/36UL	PCG/ATX/36V	---	---	---
6	SEAL HOUSING	PCG/ATX/39UL	---	---	---	---
7	SEAL (a)	PCG/ATX/82N	PCG/ATX/82V	BAS 01ATEX2271X	SIRA 01ATEX1272X	SIRA 03ATEX1479X
8	SKID WASHER	PCG/ATX/91A	PCG/ATX/91V	BAS 01ATEX2271X	SIRA 01ATEX1272X	SIRA 03ATEX1479X
9	NUT	PCG/ATX/88N	---	---	SIRA 01ATEX1272X	SIRA 03ATEX1479X
10	UNION RET'G CAP	PCG/ATX/38UL	---	---	---	---
11	LOCTITE 2701 or 3M TL62	---	---	---	---	SIRA 03ATEX1479X
12	MIDDLE CAP	PCG/ATX/35UL	---	---	---	---
13	SILICONE O-RING	PCG/OR	---	---	---	---
14	SILICONE O-RING	PCG/ETOR	---	---	---	---

**SEAL PART NOS., MATERIALS & TEMPERATURES**

Material	SEAL PART NOS.	OPERATING TEMP. RANGE
Silicone	PCG/ATX/82N	SEE NOTE g

**NOTES**

- a Silicone seals (part 7) are standard on UL-U glands and are coloured white.
- b UL-U Size 16 glands are assembled from Size 20S parts, except parts 7, 8, 9 & 12 which are Size 16.
- c UL-U sizes 25, 32, 40 and 50 are assembled with 36V parts. UL-U sizes 63 and 75 are assembled with 36UL parts.
- d UL-U Size 50S, 63S and 75S glands are assembled from standard size 50, 63 & 75 part 1, 3, 4 & 5 with parts 6, 7, 8 & 9 being S-sized.
- e Alternative threads & larger trade sizes can be supplied on a fitting of standard gland size. In such cases entry body part 1 is manufactured according to drawing PCG/ETDUL.
- f PEPPERS T1000 COMPOUND. A 2-part epoxy putty is used to form part 2 of the fitting. Operating temperature is -60°C to +135°C.
- g ATEX / IECEX Approved Temperature: -60°C to +135°C  
UL/NEC Approved Temperature: -20°C to +85°C
- h Item 14 is optional o-ring for entry bodies with Metric threads. O-ring is appropriate to the size of the entry thread.

X-REFS: -

UL-U			CABLE SIZE DATA			UL-X			CABLE SIZE DATA		
GLAND SIZE (b,c,d)	STANDARD ISO M SIZE (e)	STANDARD ISO NPT SIZE (e)	Outer Jacket MIN	Outer Jacket MAX	Max Dia Over Cores	GLAND SIZE (d)	STANDARD ISO M SIZE (e)	STANDARD ISO NPT SIZE (e)	Outer Jacket MIN	Outer Jacket MAX	Max Dia Over Cores
16	M20 & M25	1/2" & 3/4"	3.4	8.4	10.4	20S	M20 & M25	1/2" & 3/4"	-	11.7	10.4
20S	M20 & M25	1/2" & 3/4"	4.8	11.7	10.4	20	M20 & M25	1/2" & 3/4"	-	14.0	12.5
20	M20 & M25	1/2" & 3/4"	9.5	14.0	12.5	25	M25 & M32	3/4" & 1"	-	20.0	17.8
25	M25 & M32	3/4" & 1"	11.7	20.0	17.8	32	M32 & M40	1" & 1 1/4"	-	26.3	23.5
32	M32 & M40	1" & 1 1/4"	18.1	26.3	23.5	40	M40 & M50	1 1/4" & 1 1/2"	-	32.2	28.8
40	M40 & M50	1 1/4" & 1 1/2"	22.6	32.2	28.8	50	M50 & M63	2"	-	44.1	39.4
50S	M50 & M63	2"	28.2	38.2	34.9	63	M63 & M75	2 1/2"	-	56.0	50.0
50	M50 & M63	2"	33.1	44.1	39.4	75	M75	3"	-	68.0	60.8
63S	M63 & M75	2 1/2"	39.3	50.1	44.8						
63	M63 & M75	2 1/2"	46.7	56.0	50.0						
75S	M75	3"	52.3	62.0	55.4						
75	M75	3"	58.0	68.0	60.8						

GENERAL NOTE.  
To minimise galvanic corrosion the metallic gland components are made from similar metals.

THIS DRAWING IS OF A CERTIFIED COMPONENT, AND NO CHANGES MUST BE MADE WITHOUT REFERENCE TO THE CERTIFYING AUTHORITY.



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TITLE ATEX BARRIER GLAND RANGE  
FOR UNARMoured MARINE SHIPBOARD  
CABLE, UL-U\* AND UL-X\* FAMILIES

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DRG. No.  
PCG/ATX/ULU  
ISSUE 4