

DRG. No.
PCG/ATX/E1W

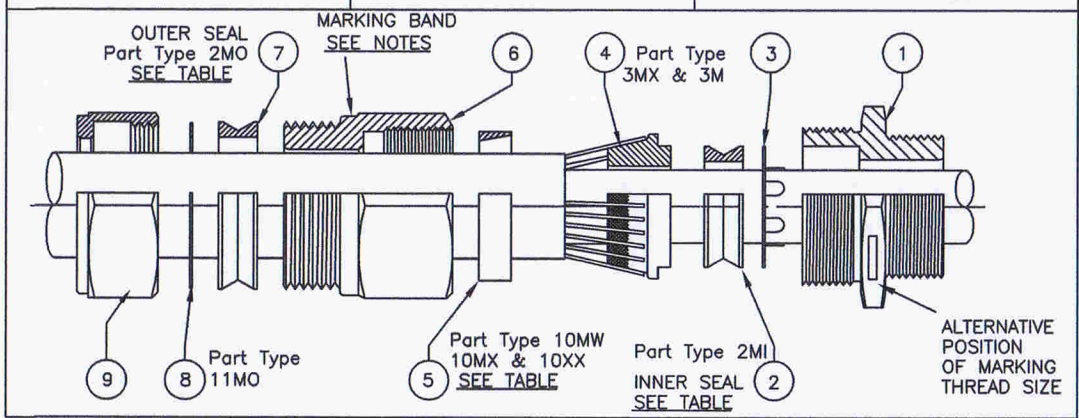
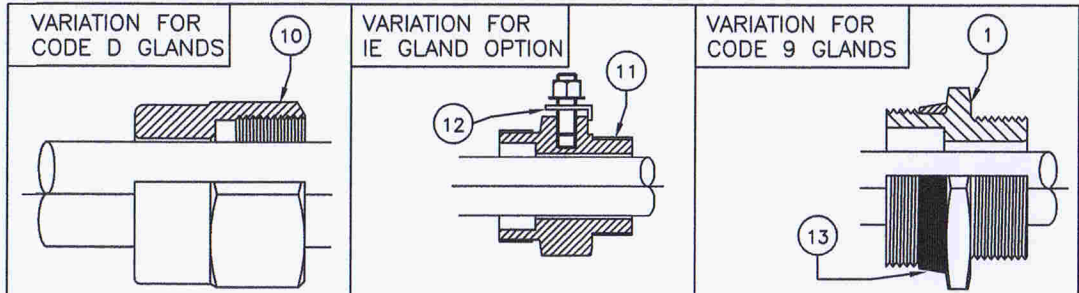
DO NOT SCALE OFF DRAWING "IF IN DOUBT ASK".
REPORT ALL ERRORS AND ALTERATIONS.

THIRD ANGLE PROJECTION

MARKING
1. EXAMPLES OF MARKING ON BAND:-
ExdlIC/Exell/Ex tD A21
E1WF 20S PG16 SIRA01ATEX1271X
PEPPERS GU15 3BT UK Ex II 2GD IP67
xx (Year Code)
CExxxx (xxxx = Notified Body No.
as applicable)

2. SPECIAL MARKS:-
Ex II 3GD
Ex nR II
SIRA 09ATEX1221X

DRAWN ASC
DATE 27/04/09
CHECKED
APPROVED
CAD REF ATXCE1W
SCALE N.T.S
ISSUE
1. Original



PARTS LIST & CERTIFICATE CROSS-REFERENCE

Ballon Ref	Part Description	Drawing Number	Other Certificate Nos. used on	Other Certificate Nos. used on
1	ENTRY BODY	PCG/ATX/1M	SIRA 01ATEX1270X	---
2	SEAL	PCG/ATX/2M	BAS 01ATEX2271X SIRA 03ATEX1308X	SIRA 01ATEX3273X SIRA 03ATEX1479X
3	CONTINUITY WASHER	PCG/LW2	---	---
4	CONE	PCG/ATX/3M	SIRA 01ATEX1270X	---
5	CLAMP RING	PCG/ATX/10M	SIRA 01ATEX1270X	SIRA 01ATEX3273X
6	MIDDLE CAP	PCG/ATX/5M	---	SIRA 01ATEX3273X
7	SEAL	PCG/ATX/2M	BAS 01ATEX2271X SIRA 03ATEX1308X	SIRA 01ATEX3273X SIRA 03ATEX1479X
8	SKID WASHER	PCG/ATX/11M	BAS 01ATEX2271X SIRA 03ATEX1308X	SIRA 01ATEX3273X SIRA 03ATEX1479X
9	OUTER CAP	PCG/ATX/6M	BAS 01ATEX2271X SIRA 03ATEX1308X	SIRA 01ATEX3273X SIRA 03ATEX1479X
10	CAP	PCG/ATX/4M	SIRA 01ATEX1270X	---
11	Entry Body Integral Earth	PCG/ATX/1MIE	---	---
12	Integral Earth Clamp	PCG/ATX/16M	SIRA 01ATEX3273X	---
13	SEAL - DELUGE	PCG/ATX/2MT	---	---

3. Temp range rev'd, Parts lists and lead continuity version added
4. Marking updated to comply with latest 60079 Series & to include ExTD marking.
5. 23/07/09 Updated to include Ex nR II marking on E1WF & D1WF family of cable glands only.

GLAND SIZE	ARMOUR DIAMETER/THICKNESS			INNER SHEATH		OUTER SHEATH		REDUCED BORE	
	WIRE	WSW	TAPE	MIN	MAX	MIN	MAX	MIN	MAX
16	0.9	0.2/0.3	0.15/0.35	3.5	8.4	8.4	13.5	4.9	10.0
20S	0.9/1.25	0.2/0.3	0.15/0.35	8.0	11.7	11.5	16.0	9.4	12.5
20	0.9/1.25	0.2/0.3	0.15/0.50	6.7**	14.0	15.5	21.1	12.0	17.6
25	1.25/1.6	0.2/0.45	0.15/0.50	13.0	20.0	20.3	27.4	16.8	23.9
32	1.6/2.0	0.3/0.45	0.15/0.55	19.0	26.3	26.7	34.0	23.2	30.5
40	1.6/2.0	0.3/0.45	0.2/0.6	25.0	32.2	33.0	40.6	28.6	36.2
50S	2.0/2.5	0.3/0.45	0.2/0.6	31.5	38.2	39.4	46.7	34.8	42.4
50	2.0/2.5	0.3/0.45	0.5/0.8	36.5	44.1	45.7	53.2	41.1	48.5
63S	2.5	0.3/0.45	0.5/0.8	42.5	50.1	52.1	59.5	47.5	54.8
63	2.5	0.3/0.45	0.5/0.8	49.5	56.0	58.4	65.8	53.8	61.2
75S	2.5	0.3/0.45	0.5/1.0	54.5	62.0	64.8	72.2	60.2	68.0
75	2.5	0.3/0.45	0.5/1.0	60.5	68.0	71.1	78.0	66.5	73.4
80	3.15	0.45	0.5/1.0	62.2	72.0	77.0	84.0	---	---
80H (e)	3.15	0.45	0.5/1.0	62.2	72.0	79.6	90.0	---	---
85	3.15	0.45	0.5/1.0	69.0	78.0	79.6	90.0	75.0	85.4
90	3.15	0.45	0.5/1.0	74.0	84.0	88.0	96.0	---	---
90H (e)	3.15	0.45	0.5/1.0	74.0	84.0	92.0	102.0	---	---
100	3.15	0.45	0.5/1.0	82.0	90.0	92.0	102.0	87.4	97.4

NOTES: (1) ** = SILICONE SEALS ONLY SEAL TO 11.0mm
(2) STANDARD SEALS (PCG/2M: NEOPRENE BLACK; SILICONE WHITE) HAVE INNER AND OUTER SHEATH SEALING RANGES AS ABOVE
(3) GREY SILICONE INNER SEALS (PCG/2MG) SEAL TO REDUCED MINIMUM SIZES AS FOLLOWS: 20S=7.0mm ; 32=18.0mm ; 40=24.0mm

NOTE (d) TYPE RESTRICTIONS:-
CODE D NOT WITH 9, IE OR R
CODE IE ONLY TO SIZE 75
CODES 9 & IE NOT COMBINED

GENERAL NOTE
To minimise galvanic corrosion, the metallic gland components are made from similar materials

THIS IS A FOUR-SHEET DRAWING
SHEETS 1 & 2 COVER E1WF AND D1WF VARIANTS
SHEETS 3 & 4 COVER CWLe VARIANTS

X-REFS:-
CSATXCE1W
TABCE1W
ISSCE1W
CAO

PEPPERS CABLE GLANDS LIMITED
STANHOPE ROAD, CAMBERLEY, SURREY, UK.
TEL +44 (0)1276 64232, FAX +44 (0)1276 691752

TITLE ATEX RANGE
GLANDS FOR ARMoured CABLE E1WF
D1WF, CWLe FAMILY - Sht 1 of 4

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DRG. No.
PCG/ATX/E1W
ISSUE 5

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DRG. No.
PCG/ATX/E1W

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THIRD ANGLE PROJECTION

DRAWN ASC

DATE 27/04/09

CHECKED

APPROVED

CAD REF ATXCE1W

SCALE N.T.S

ISSUE

1. Original

2. Marking note revision & addition of CWLe

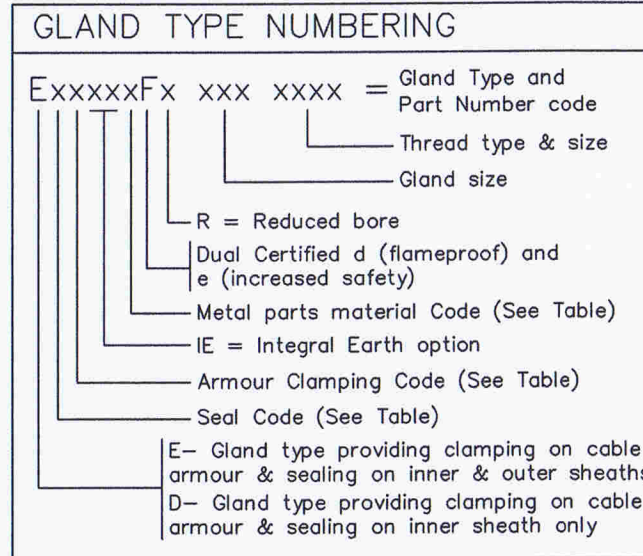
3. Temp range rev'd, Parts lists and lead continuity version added

4. Marking updated to comply with latest 60079 Series & to include ExTD marking.

5. 23/07/09 Updated to include Ex nR II marking on E1WF & D1WF family of cable glands only.

X-REFS: -
CSATXCE1W
TABCE1W
ISSCE1W
CAO

OPTIONS & PART NUMBERS			
SEAL CODES, PART NOS., MATERIALS & TEMPERATURES			
Code	SEAL PART NUMBERS		TEMPERATURE RANGE
	INNER	OUTER	
1	2MI	2MO	-20°C to +85°C Operating
2 (a)	2MI	2MO	-20°C to +85°C Operating
3	2MIS,2MIG(b)	2MOS (b)	-60°C to +180°C Operating
3	2MIS,2MIG(b)	2MOZS (b)	-60°C to +180°C Operating
9	2MI	2MO and 2MT	-20°C to +80°C Operating
ARMOUR CLAMPING CODES, PART NOS. & CABLE ARMOUR TYPES			
Code	CLAMPING PART NUMBERS		CABLE ARMOUR TYPE
	CLAMP (c)	CONE	
W	10MW	3M	STEEL WIRE ARMOUR
XX	10XX	3MX	WOVEN STEEL WIRE (WSW)
XZ	10MX	3M	WSW OR TAPE ARMOUR
L	10MW & 10MX (KIT)	3M	ANY OF THE 3 ABOVE
CODES FOR OTHER OPTIONS			
Code	MEANING		
IE	USES INTEGRAL EARTH BODY PART 1MIE, AS INSET DRAWING		
R	REDUCED BORE - USES OUTER SEAL PART 2MOZS		
METAL PARTS MATERIAL CODES			
Code	Material		
--	Brass (Standard - no code)		
S	Stainless steel		
NOTES			
a	Code 2 includes continuity washer for lead sheathed cable. Can be combined with all options except 3 and 9 in sizes 20S to 100.		
b	Silicone seals are marked with max/min temperature and are coloured white (Parts 2MIS, 2MOS) grey (2MIG) or red (2MOZS)		
c	Code L gland is supplied as kit with both 10MW & 10MX clamp rings		
d	Certain combinations are not possible - see Sht 1		
e	Hybrid (H) sizes use cap 6M, skid 11MO, outer seal, middle cap 5M and clamping components from next size gland above		



THIS IS A FOUR-SHEET DRAWING

SHEETS 1 & 2 COVER E1WF AND D1WF VARIANTS
SHEETS 3 & 4 COVER CWLe VARIANTS

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TITLE ATEX RANGE
GLANDS FOR ARMoured CABLE E1WF
D1WF, CWLe FAMILY - Sht 2 of 4

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DRG. No.
PCG/ATX/E1W
ISSUE 5

DRG. No.
PCG/ATX/E1W

DO NOT SCALE OFF DRAWING "IF IN DOUBT ASK".
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THIRD ANGLE PROJECTION

MARKING

1. EXAMPLES OF MARKING ON BAND:-
Exe II / Ex tD A21
CWLe 20S PG16 SIRAO1ATEX1271X
PEPPERS GU15 3BT UK  I12GD IP66
xx (Year Code)
CExxxx (xxxx = Notified Body No.
as applicable)

2. SPECIAL MARKS:-

DRAWN ASC

DATE 27/04/09

CHECKED

APPROVED

CAD REF ATXCE1W

SCALE N.T.S

ISSUE

1. Original

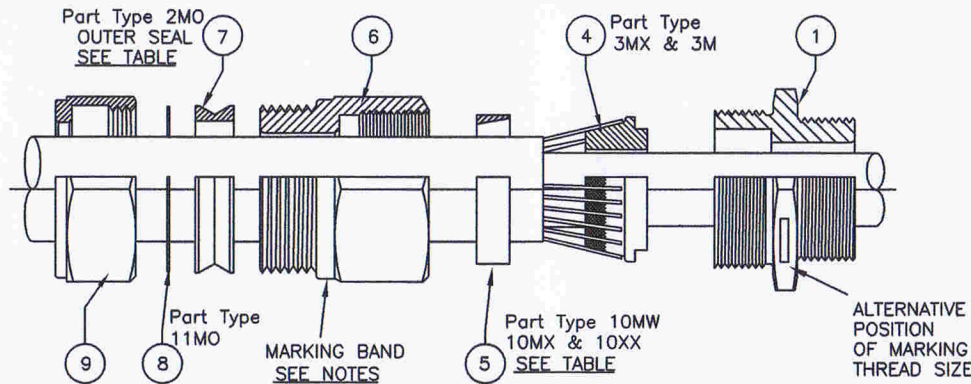
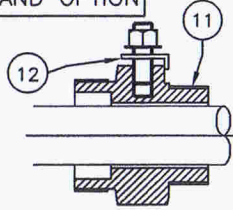
2. Marking note
revision & addition
of CWLe

3. Temp range rev'd,
Parts lists and
lead continuity
version added

4. Marking updated
to comply with latest
60079 Series & to
include Ex tD marking.

5. 23/07/09
Updated to include
Ex nR II marking on
E1WF & D1WF family
of cable glands only.

ARIATION FOR
IE GLAND OPTION



PARTS LIST & CERTIFICATE CROSS-REFERENCE

Balloon Ref	Part Description	Drawing Number	Other Certificate Nos. used on	Other Certificate Nos. used on
1	ENTRY BODY	PCG/ATX/1M	SIRA 01ATEX1270X	---
3	CONTINUITY WASHER	PCG/LW2	---	---
4	CONE	PCG/ATX/3M	SIRA 01ATEX1270X	---
5	CLAMP RING	PCG/ATX/10M	SIRA 01ATEX1270X	SIRA 01ATEX3273X
6	MIDDLE CAP	PCG/ATX/5M	---	SIRA 01ATEX3273X
7	SEAL	PCG/ATX/2M	BAS 01ATEX2271X SIRA 03ATEX1308X	SIRA 01ATEX3273X SIRA 03ATEX1479X
8	SKID WASHER	PCG/ATX/11M	BAS 01ATEX2271X SIRA 03ATEX1308X	SIRA 01ATEX3273X SIRA 03ATEX1479X
9	OUTER CAP	PCG/ATX/6M	BAS 01ATEX2271X SIRA 03ATEX1308X	SIRA 01ATEX3273X SIRA 03ATEX1479X
10	CAP	PCG/ATX/4M	SIRA 01ATEX1270X	---
11	Entry Body Integral Earth	PCG/ATX/1MIE	---	---
12	Integral Earth Clamp	PCG/ATX/16M	SIRA 01ATEX3273X	---

NOTE (c) TYPE RESTRICTIONS:-

CODE IE ONLY TO SIZE 75

GENERAL NOTE

To minimise galvanic corrosion,
the metallic gland components
are made from similar materials

THIS IS A FOUR-SHEET DRAWING

SHEETS 1 & 2 COVER E1WF
AND D1WF VARIANTS
SHEETS 3 & 4 COVER
CWLe VARIANTS

GLAND SIZE	ARMOUR DIAMETER/THICKNESS			CABLE SIZES				
	WIRE	WSW	TAPE	INNER SHEATH	OUTER SHEATH		REDUCED BORE	
CODES	W&L	XX&L	XZ&L	MAX	MIN	MAX	MIN	MAX
16	0.9	0.2/0.3	0.15/0.35	8.4	8.4	13.5	4.9	10.0
20S	0.9/1.25	0.2/0.3	0.15/0.35	11.7	11.5	16.0	9.4	12.5
20	0.9/1.25	0.2/0.3	0.15/0.50	14.0	15.5	21.1	12.0	17.6
25	1.25/1.6	0.2/0.45	0.15/0.50	20.0	20.3	27.4	16.8	23.9
32	1.6/2.0	0.3/0.45	0.15/0.55	26.3	26.7	34.0	23.2	30.5
40	1.6/2.0	0.3/0.45	0.2/0.6	32.2	33.0	40.6	28.6	36.2
50S	2.0/2.5	0.3/0.45	0.2/0.6	38.2	39.4	46.7	34.8	42.4
50	2.0/2.5	0.3/0.45	0.5/0.8	44.1	45.7	53.2	41.1	48.5
63S	2.5	0.3/0.45	0.5/0.8	50.1	52.1	59.5	47.5	54.8
63	2.5	0.3/0.45	0.5/0.8	56.0	58.4	65.8	53.8	61.2
75S	2.5	0.3/0.45	0.5/1.0	62.0	64.8	72.2	60.2	68.0
75	2.5	0.3/0.45	0.5/1.0	68.0	71.1	78.0	66.5	73.4
80	3.15	0.45	0.5/1.0	72.0	77.0	84.0	---	---
80H (d)	3.15	0.45	0.5/1.0	72.0	79.6	90.0	---	---
85	3.15	0.45	0.5/1.0	78.0	79.6	90.0	75.0	85.4
90	3.15	0.45	0.5/1.0	84.0	88.0	96.0	---	---
90H (d)	3.15	0.45	0.5/1.0	84.0	92.0	102.0	---	---
100	3.15	0.45	0.5/1.0	90.0	92.0	102.0	87.4	97.4

X-REFS:-

CSATXCE1W
TABCE1W
ISSCE1W
CAO



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TITLE ATEX RANGE
GLANDS FOR ARMoured CABLE E1WF
D1WF, CWLe FAMILY - Sht 3 of 4

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DRG. No.

PCG/ATX/E1W

ISSUE 5

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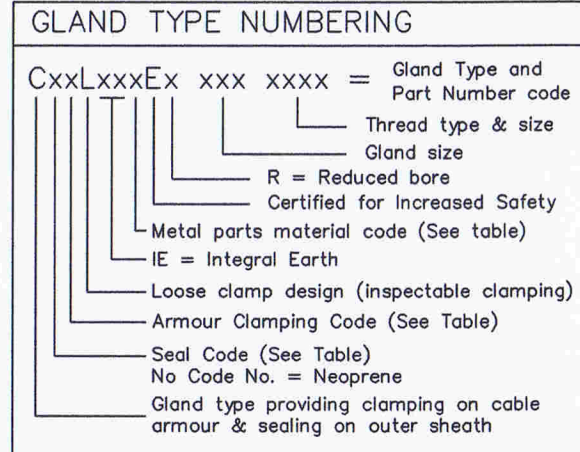
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PCG/ATX/E1W

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THIRD ANGLE PROJECTION

DRAWN ASC
DATE 27/04/09
CHECKED
APPROVED
CAD REF ATXCE1W
SCALE N.T.S
ISSUE
1. Original
2. Marking note revision & addition of CWLe
3. Temp range rev'd, Parts lists and lead continuity version added
4. Marking updated to comply with latest 60079 Series & to include ExTD marking.
5. 23/07/09 Updated to include Ex nR II marking on E1WF & D1WF family of cable glands only.


OPTIONS & PART NUMBERS			
SEAL CODES, PART NOS., MATERIALS & TEMPERATURES			
Code	SEAL	TEMPERATURE RANGE	
-	2MO	-20°C to +85°C Operating	
3	2MOS (a)	-60°C to +180°C Operating	
3	2MOZS (a)	-60°C to +180°C Operating	
ARMOUR CLAMPING CODES, PART NOS. & CABLE ARMOUR TYPES			
Code	CLAMPING PART NUMBERS		CABLE ARMOUR TYPE
	CLAMP (b)	CONE	
W	10MW	3M	STEEL WIRE ARMOUR
XX	10XX	3MX	WOVEN STEEL WIRE (WSW)
XZ	10MX	3M	WSW OR TAPE ARMOUR
L	10MW & 10MX (KIT)		3M ANY OF THE 3 ABOVE
CODES FOR OTHER OPTIONS			
Code	MEANING		
IE	USES INTEGRAL EARTH BODY PART 1MIE, AS INSET DRAWING		
R	REDUCED BORE - USES OUTER SEAL PART 2MOZS		
METAL PARTS MATERIAL CODES			
Code	Material		
--	Brass (standard - no code)		
S	Stainless steel		
NOTES			
a	Silicone seals are coloured white (Part 2MOS) or red (2MOZS)		
b	Code L gland is supplied as kit with both 10MW & 10MX clamp rings		
c	Certain combinations are not possible - see Sht 3		
d	Hybrid (H) sizes use cap 6M, skid 11MO, outer seal, middle cap 5M and clamping components from next size gland above		



THIS IS A FOUR-SHEET DRAWING

SHEETS 1 & 2 COVER E1WF
AND D1WF VARIANTS
SHEETS 3 & 4 COVER
CWLe VARIANTS

X-REFS: -
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TABCE1W
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TITLE ATEX RANGE
GLANDS FOR ARMoured CABLE E1WF
D1WF, CWLe FAMILY - Sht 4 of 4

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