

DRG. No.
PCG/ATX/BF

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

THIRD ANGLE PROJECTION

MARKING

1. EXAMPLES OF MARKING ON BAND:-
Peppers GU15 3BT UK E8XBF 20 M20
IECEX SIR 05.0020X Sira 01ATEX1270X Sira 09ATEX1221X
Exdb IIC Gb Exeb IIC Gb ExtA IIIC Da Exnr IIC Gc
II 1D 2G 3G IP66 IP68
or
Peppers GU15 3BT UK E8XBF 20 M20
IECEX SIR 05.0020X Sira 01ATEX1270X
Exeb IIC Gb II 2G IP66 IP68

2. SPECIAL MARKS:-
Marking and other information may be present on the gland or packaging in accordance with document PCG/ATX/PEXMP.

DRAWN ASC

DATE 27/04/09

CHECKED

APPROVED

CAD REF PCGATXBF

SCALE N.T.S

ISSUE

1. Original

2. Various changes for copper braided cable; revised markings

3. Marking updated to comply with latest 60079 Series & to include ExtD marking.

4. 23/07/09 Updated to include Ex nR II marking.

5. 23/08/12 Full parts list added and notes clarified. Marking updated & now 2 sheet drawing

6. 06/03/14 E8XC*** option added. DBXC option clarified. Type numbering table & Note d amended. Note j, k & L added. E type 20R inner seal range corrected. 4MR part removed. 6MF, 6MM, 4MF & 4MM parts added.

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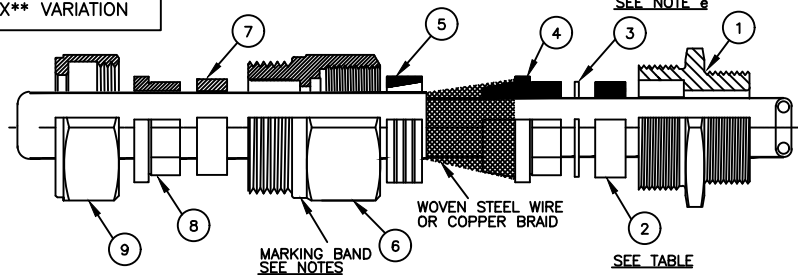
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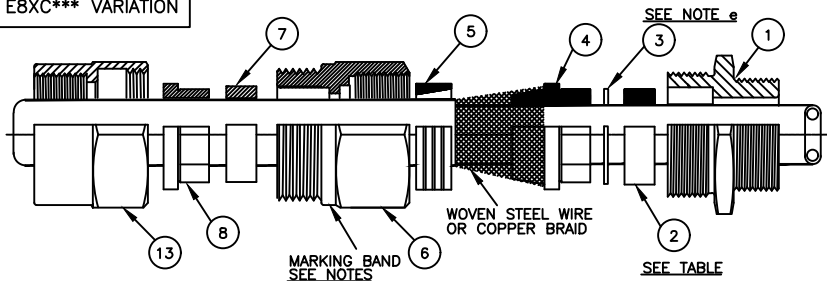
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E8X VARIATION**

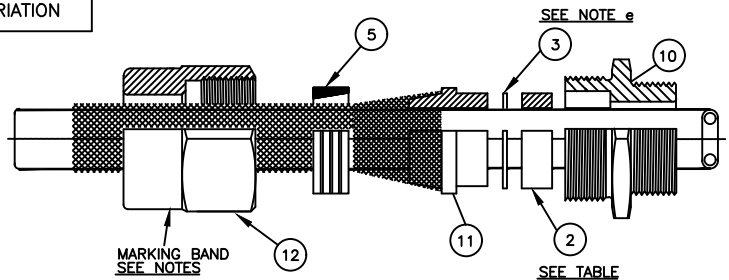


E8XC* VARIATION**

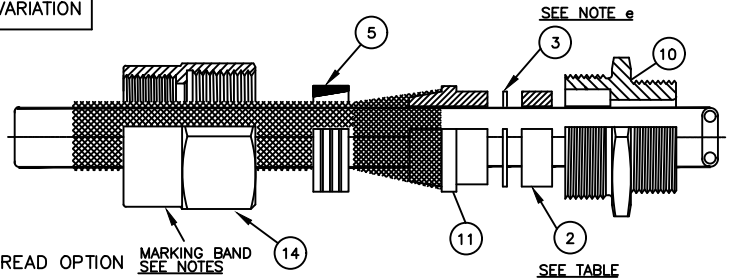


FEMALE THREAD OPTION SHOWN

D8X VARIATION**



D8XC* VARIATION**



FEMALE THREAD OPTION SHOWN

PARTS LIST & CERTIFICATE CROSS-REFERENCE

| Balloon Ref | Part Description | Drawing Number | Other Certificate Nos. used on |
|-------------|--------------------|----------------|--------------------------------|
| 1 | ENTRY BODY | PCG/ATX/61M | --- |
| 2 | INNER SEAL | PCG/ATX/72M | --- |
| 3 | SKID WASHER | PCG/ATX/11MR | --- |
| 4 | CONE | PCG/ATX/63M | --- |
| 5 | CLAMP RING | PCG/ATX/10M | SIRA 01ATEX1271X |
| 6 | MIDDLE CAP | PCG/ATX/75M | --- |
| 7 | OUTER SEAL | PCG/ATX/72M | --- |
| 8 | OUTER BUSH | PCG/ATX/74M | --- |
| 9 | OUTER CAP | PCG/ATX/6M | BAS 01ATEX2271X |
| 10 | ENTRY BODY | PCG/ATX/1M | SIRA 01ATEX1271X |
| 11 | CONE | PCG/ATX/3MD | --- |
| 12 | OUTER CAP | PCG/ATX/4M | SIRA 01ATEX1271X |
| 13 | CONDUIT CAP FEMALE | PCG/ATX/6MF | --- |
| 13 | CONDUIT CAP MALE | PCG/ATX/6MM | --- |
| 14 | CONDUIT CAP FEMALE | PCG/ATX/4MF | --- |
| 14 | CONDUIT CAP MALE | PCG/ATX/4MM | --- |

X-REFS:-

CSFLB3X
TABFLBX
ISSFLBX
CSFLATAB
CAO

PEPPERS CABLE GLANDS LIMITED
STANHOPE ROAD, CAMBERLEY, SURREY, UK.
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TITLE ATEX INSTRUMENT RANGE
FLAT CABLE (HEAT TRACE). TYPES E8X**,
E8XC***, D8X** & D8X** Sheet 1 of 2

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ISSUE 7

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

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| SEAL CODES, PART NOS., MATERIALS & TEMPERATURES | | | |
|-------------------------------------------------|-----------|-----------|---------------------------|
| CODE | INNER | OUTER | TEMPERATURE RANGE (a) |
| 8 | 72MIS (a) | 72MOS (a) | -60°C to +180°C Operating |

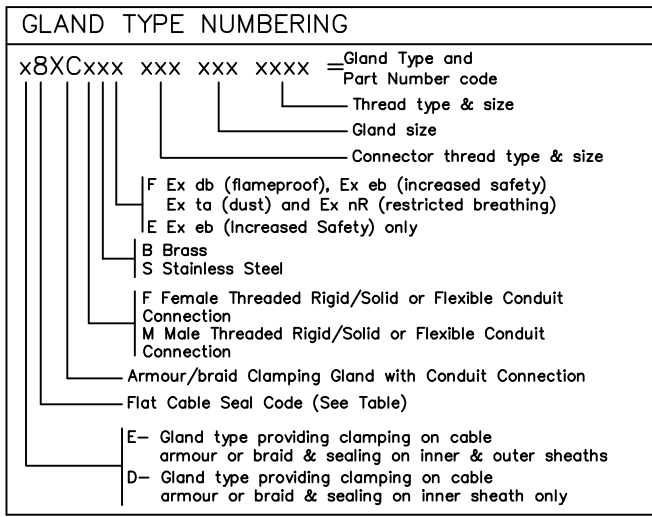
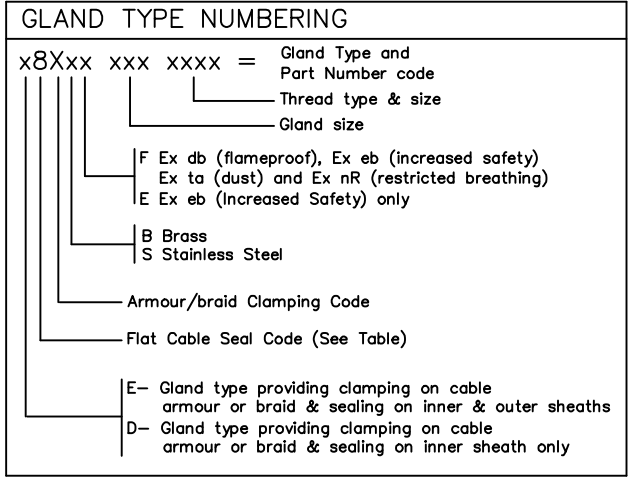
| METAL PARTS MATERIAL CODES | |
|----------------------------|-----------------|
| CODE | MATERIAL |
| B | BRASS |
| S | STAINLESS STEEL |

- NOTES
- a Silicone seals are coloured white.
 - b For code E glands, the outer seal may act as a cable steady if the cable has no outer sheath. Code D glands may be used with cable having an outer sheath.
 - c On size 20, cable dimension A may exceed the values shown in the table by 0.5 mm, provided dimension B is not less than 6.0mm.
 - d Size 20R and 20s glands use same components as size 20, except that seals are 72MIS/20R and 72MIS/20s respectively.
 - e Inner skid washer (part 11MR) is only used on Size 20R.
 - f Stainless Steel glands may have marking electrochemically etched.
 - g Plating or paint may be applied to any or all main gland body components. Maximum thickness of plating is 0.008mm. No paint shall be applied to entry thread joints.
 - h Non-standard threads shown on PCG/ETDMV may be used on entry bodies, parts 1M and 61M.
 - i When clamping copper braid, the cable must be securely anchored next to the entry to prevent pulling and twisting.
 - j E8XC*** glands utilize 6MF or 6MM component and are used to provide a connection for threaded rigid/solid or flexible conduit.
 - k D8XC*** glands utilize 4MF or 4MM component and are used to provide a connection for threaded rigid/solid or flexible conduit.
 - l For alternative threads and trade sizes refer to drawing PCG/ETDMV

| DIMENSIONS FOR E TYPE GLANDS | | | | | | | | | | | | |
|------------------------------|-----------------------|---------|----------------------|-----|---------------------|-----|------|------|---------------------|-----|------|------|
| GLAND SIZE | STANDARD ENTRY THREAD | | ARMOUR WIRE DIAMETER | | INNER SEALING RANGE | | | | OUTER SEALING RANGE | | | |
| | Metric | NPT | MIN | MAX | A | B | A | B | A | B | A | B |
| | 20S | M20 | 1/2"NPT | 0.1 | 0.3 | 6.3 | 4.0 | 11.7 | 7.0 | 7.9 | 4.5 | 11.7 |
| 20 | M20 | 1/2"NPT | 0.1 | 0.3 | 10.3 | 5.6 | 13.5 | 9.0 | 11.0 | 4.5 | 13.5 | 9.0 |
| 20R | M20 | 1/2"NPT | 0.1 | 0.3 | 8.1 | 5.8 | 13.5 | 6.2 | 10.7 | 5.4 | 16.1 | 8.3 |

| DIMENSIONS FOR D TYPE GLANDS | | | | | | | | | | | | |
|------------------------------|-----------------------|---------|----------------------|-----|---------------------|-----|------|------|------------------|---|------|------|
| GLAND SIZE | STANDARD ENTRY THREAD | | ARMOUR WIRE DIAMETER | | INNER SEALING RANGE | | | | OUTER CABLE SIZE | | | |
| | Metric | NPT | MIN | MAX | A | B | A | B | A | B | A | B |
| | 20S | M20 | 1/2"NPT | 0.1 | 0.3 | 6.3 | 4.0 | 11.7 | 7.0 | - | - | 15.5 |
| 20 | M20 | 1/2"NPT | 0.1 | 0.3 | 10.3 | 5.6 | 13.5 | 9.0 | - | - | 20.5 | - |
| 20R | M20 | 1/2"NPT | 0.1 | 0.3 | 8.1 | 5.8 | 13.5 | 6.2 | - | - | 20.5 | - |

NOTE: A=width and B=thickness



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