### Single Compression Gland for Armoured and Unarmoured Cable

**Product Type A**

**PART NUMBERS:**

<table>
<thead>
<tr>
<th>A</th>
<th>1</th>
<th>L</th>
<th>B</th>
<th>F</th>
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<tbody>
<tr>
<td>2</td>
<td>S</td>
<td>E</td>
<td>3</td>
<td>A</td>
</tr>
</tbody>
</table>

**Product Description:**

*“A”* type glands are certified Flameproof Ex d, increased Safety Ex e, Restricted Breathing Ex nR and Dust Protected Ex ta. They are suitable for use in Zone 1 and 2 for Gas Groups IIA, IIB and IIC and additionally for use in Zones 20, 21 and 22 for Dust Groups IIA, IIB and IIC. Commonly referred to as “stuffing glands”, they provide a controlled pull resistant environmental displacement seal on the cable outer sheath, minimising damage to cables that exhibit “cold flow” characteristics. The gland maintains IP66 & IP68 to 50 metres. It is supplied with an IP O-ring seal as standard on metric entry threads. Options are available for use with LSZH cables and extreme temperature applications. The “A” version is designed to accommodate unarmoured and armoured cables where sealing and retention is required only on the outer sheath.

**Compliance Standards:**

- EN 60079-0, EN 60079-1, EN 60079-7, EN 60079-15, EN 60079-31
- IEC 60079-0, IEC 60079-1, IEC 60079-7, IEC 60079-31 & IEC 60079-28
- C22.2 (see certificate, CAN/CSA-60079-0/7-17, UL1413, UL1203, UL2225, UL505E, ANSV/UL 60079-07-I, ISA 60079-31

**Technical Specifications:**

- **Thread Size:**
  - **Metric:** M12, M16, M20, M25, M32, M40, M50, M63, M85, M90, M100
  - **NPT:** 1 1/4”, 1 1/2”, 2”, 2 1/2”, 3”, 3 1/2”, 4”, 5”, 6”, 8”, 10”, 12”, 14”, 16”, 18”, 20”, 24”, 30”, 36”, 40”, 48”, 56”, 60”, 72”, 80”, 96”, 108”, 120”, 144”

- **Cable Acceptance:**
  - **Outer Sheath (O):**
    - Neoprene Seals -35ºC to +90ºC
    - Silicone Seals -60ºC to +180ºC
  - **Key Features:**
    - IP66 & IP68 (50 metres - 7 Days)
    - Type 4X
    - PVC (ACSPVC) / PCP (ACSPCP) / Silicone LSOH (ACSSIO)
    - Serrated Washers
      - Stainless Steel (ACSSW)
      - Nylon (ACNSW) / Fibre (ACFSW) / PTFE (ACPSW)
    - IP Washers
      - Brass (ACBLN) / St Steel (ACSLN) / Aluminium (ACALN)
    - Earth Tag
      - EAC
      - INMETRO - Brazil
      - SAC - China
      - SCE - India (Petroleum Rules 2002 (PEPSI))
      - ABS
      - LLOYD’S
      - EAC
      - INMETRO - Brazil
      - SAC - China
      - SCE - India (Petroleum Rules 2002 (PEPSI))
      - ABS
      - LLOYD’S
    - Locknut & Nylon (K), Fibre (V) or PTFE (H)

- **Flameproof Certifications:**
  - ATEX
  - IECEx
  - UL
  - CCC - China
  - SAS - China
  - EAC
  - INMETRO - Brazil
  - SAC - China
  - SCE - India
  - ABS
  - LLOYD’S

**Example Part Numbering:**

<table>
<thead>
<tr>
<th>Option</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A2LBF/NP/20/M20</td>
<td>PVC Shroud (C) - PCP Shroud (P) - Silicone LSZH Shroud (D)</td>
</tr>
</tbody>
</table>

**Notes:**

- Gland size does not necessarily equate to the entry thread size.
- The IP O-ring seal is only available on metric entry threads. IP washers can be supplied for tapered entry threads.
- Dimensions (A) & (B) may differ for glands with non-metric entry threads. Please refer to our “Thread Reference Tables” for specific dimensions.
- Assembly instructions must be read prior to installation and adhered to in full.
- Peppers supplies cable glands with parallel entry threads that conform to the flameproof threaded joint requirements of IEC/EN 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 Cable Glands Limited will not be held responsible for clients’ installations where this has not been taken into account.

- When selecting IP Washer & Shroud material for use with glands, please be aware of the accessories temperature range to ensure they are suitable for the intended installation.
- Where approval in addition to ATEX, IECEx and CSA is required, this must be clearly requested at time of enquiry / order.