### Single Compression Gland Designed for use with Armoured and Unarmoured Flat Cable and featuring a Female Conduit Connection

**Ex db : Ex eb : Ex nR : Ex ta : IP66 : IP68 : Class I Div 2 : AEx e : AEx ta**

<table>
<thead>
<tr>
<th>PART NUMBERS:</th>
<th>A</th>
<th>B</th>
<th>CF</th>
<th>F</th>
<th>S</th>
</tr>
</thead>
</table>

### PRODUCT DESCRIPTION

“ABC” type glands are certified Flameproof Ex db, Increased Safety Ex eb, 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. Developed for flat cables, they provide controlled Ex db, IP sealing and have been tested to IP66 and IP68 to 50 metres. The “ABC” version is designed to accommodate unarmoured and armoured cables where sealing and retention is required only on the outer sheath and additionally provides a male thread for the connection of conduit.

### COMPLIANCE STANDARDS:

- **UL514B, UL1203, UL2225, UL50E, ANSI/UL 60079-0/7 & ISA 60079-31**
- **IEC 60079-0, IEC 60079-1, IEC 60079-7, IEC 60079-15, IEC 60079-31 & IEC 60529**
- **EN 60079-0, EN 60079-1, EN 60079-7, EN 60079-15, EN 60079-31**

### CERTIFICATION:

- **ATEX** II 1D Ex eb IIC Gb / II 2D Ex db IIC Gb / II 2G Ex eb IIC Gb / II 2G Ex db IIC Gb / II 3G Ex nR IIC Gc / II 1D Ex ta IIIC Da / II 1G Ex db IIC Gb / II 2G Ex db IIC Gb / II 2G Ex eb IIC Gb / II 3G Ex nR IIC Gc / II 1D Ex ta IIIC Da
- **IECEx** Ex eb IIC Gb / Ex db IIC Gb / Ex ta IIC Da / Ex eb IIC Gb / Ex ta IIC Da
- **NEC - USA** Class II Division 1, Groups E, F & G
- **(except size 25)** Class I Zone 1 AEx e IIC Gb
- **INMETRO - Brazil** Ex eb IIC Gb / Ex eb IIC Gb / Ex ta IIC Da
- **SAC - China** Ex e IIC Gb / Ex e IIC Gb / Ex ta IIC Da
- **UKRAINE** II 1G Ex db IIC Gb / II 2G Ex eb IIC Gb / II 2G Ex db IIC Gb / II 3G Ex nR IIC Gc / II 1D Ex ta IIC Da
- **CCe - India** Ex e IIC Gb / Ex e IIC Gb / Ex ta IIC Da
- **ABS** Spaced ABS Rules
- **LLOYD’S** Ex e IIC Gb / Ex e IIC Gb / Ex ta IIC Da
- **RMRS** Ex ta IIC Da

**NOTE:** Peppers Cable Glands Limited will not be held responsible for clients’ installations where this has not been taken into account. When selecting IP Washer 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.

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### Cable Gland Selection Table

<table>
<thead>
<tr>
<th><strong>CABLE GLAND SELECTION TABLE</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>EXAMPLE PART NUMBERING:</strong></td>
</tr>
<tr>
<td>A8CFBFM20/NP/20/M20</td>
</tr>
</tbody>
</table>

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### Cables Table

#### Cable Gland Options

<table>
<thead>
<tr>
<th><strong>OPTIONS</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
</tr>
<tr>
<td>---</td>
</tr>
<tr>
<td>Gland designed for use with Unarmoured Cables</td>
</tr>
<tr>
<td>Silicone Seal for Flat Cables</td>
</tr>
<tr>
<td>Female Conduit Connection Thread</td>
</tr>
<tr>
<td>Brass (B) / Stainless Steel (S)</td>
</tr>
<tr>
<td>Multiple Certification</td>
</tr>
</tbody>
</table>

#### Accessory Table

<table>
<thead>
<tr>
<th><strong>ACCESSORIES:</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>(ALL DIMENSIONS IN mm)</td>
</tr>
</tbody>
</table>

**Example:**

- **METRIC**
  - **Gland Size**
    - **M20**
  - **Entry Thread Size**
    - **M20 x 1.5**
  - **Thread Length (B):**
    - **1’’ or 3/4’’**
  - **Connection Thread Options**
    - **M20 x 1.5**
  - **Cable Outer Sheath [D]:**
    - **1’’ or 3/4’’**
  - **Protrusion:**
    - **1/2’’ or 3/4’’**
  - **Nominal Protrusion Length (L):**
    - **45**
  - **Dimensions/Weight:**
    - **Cross Flats (A):**
      - **30.0**
    - **Cross Corners:**
      - **33.0**
    - **Weight (Kgs):**
      - **0.174**

**EXCEPTIONS:**

- **Size 25mm is only currently ATEX, IECEx, INMETRO, EAC and Ukraine certified.**
- **Dimensions (A) & (B) may differ for glands with non metric entry threads.**
- **Gland size does not necessarily equate to the entry thread size.**
- **Please refer to our “Thread Reference Tables” for specific dimensions.**
- **Assembly instructions must be read prior to installation and adhered to in full.**
- **Peppers supply products 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.**

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