Cable Glands
North American Cable Glands/Connectors
Explosion Proof
IECEx and ATEX Approved Flameproof Exd,
Increased Safety Exe and Restricted Breathing ExnR,
(Note: Dual Marked UL & ATEX as standard).

Application
• Outdoor or indoor use.
• For use with continuous corrugated aluminium Metal Clad (MCHL) cable.
• See technical section for installation rules and regulations.

CABLE GLAND SELECTION TABLE

<table>
<thead>
<tr>
<th>Size Ref.</th>
<th>Entry Thread Size</th>
<th>Metric *</th>
<th>NPT Standard or Option</th>
<th>Cable Acceptance Details</th>
<th>Hexagon Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Across Flats</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Across Corners</td>
</tr>
<tr>
<td>A</td>
<td>½ or ¾”</td>
<td>M20</td>
<td>0.43” 0.41” 0.64”</td>
<td>10 0.49” 0.81” 2.44”</td>
<td>1.18” 1.28”</td>
</tr>
<tr>
<td>B</td>
<td>¾ or 1”</td>
<td>M25</td>
<td>0.64” 0.49” 0.93”</td>
<td>21 0.66” 1.02” 2.68”</td>
<td>1.42” 1.56”</td>
</tr>
<tr>
<td>C</td>
<td>1” or 1¼”</td>
<td>M32</td>
<td>0.86” 0.85” 1.23”</td>
<td>42 0.87” 1.30” 2.76”</td>
<td>1.81” 1.99”</td>
</tr>
<tr>
<td>C2</td>
<td>1¼” or 1½”</td>
<td>M40</td>
<td>1.04” 1.17” 1.59”</td>
<td>60 1.10” 1.61” 2.96”</td>
<td>2.17” 2.36”</td>
</tr>
<tr>
<td>D</td>
<td>2” or 1½”</td>
<td>M50</td>
<td>1.46” 1.37” 1.96”</td>
<td>80 1.42” 2.07” 3.18”</td>
<td>2.56” 2.79”</td>
</tr>
<tr>
<td>E</td>
<td>2½” or 2”</td>
<td>M63</td>
<td>1.88” 1.76” 2.55”</td>
<td>100 1.81” 2.57” 3.21”</td>
<td>3.15” 3.46”</td>
</tr>
<tr>
<td>F</td>
<td>3” or 2½”</td>
<td>M75</td>
<td>2.32” 2.29” 2.98”</td>
<td>120 2.24” 3.07” 3.54”</td>
<td>3.74” 4.09”</td>
</tr>
<tr>
<td>H</td>
<td>3½” or 4”</td>
<td>M90</td>
<td>2.79” 2.92” 3.47”</td>
<td>120 3.07” 3.52” 4.33”</td>
<td>4.18” 4.84”</td>
</tr>
</tbody>
</table>

All dimensions in inches (except * where dimensions are in millimetres). A - F size metric entry threads are 1.5mm pitch as standard, 15mm length of thread. For H size glands, a 2mm pitch is supplied as standard, 20mm length of thread (1.5mm pitch with 15mm length of thread can be supplied) please specify when ordering.

1 UL approved only.

Technical Data
• UL Listing No: E84940.
• Suitable for use in:
  • Class 1, Division 1, Gas Groups A, B, C and D
  • Class 1, Zone 2, Gas Groups IIA, IIB and IIC
  • AExd IIC and AExe II Class 1, Zone 2.
  • Flameproof Exd, Increased Safety Exe 2 and Restricted Breathing ExnR 2 GD and 3G.
  • Certificate No’s: Sira 06ATEX1295X and IECEx SIR 06.0082X.
• Suitable for use in Zone 1, Zone 2, Zone 21, Zone 22 and in Gas Groups IIA, IIB and IIC.
• Ingress Protection: IP66, IP67 and IP 68 (30 metres for 7 days) to IEC/EN 60529 and NEMA 4X.
• Deluge Protection to DTS01.
• Operating Temperature Range: -50°C to +60°C (UL) and -60°C to +80°C (ATEX / IECEx).
• Assembly Instruction Sheet: AI 317 (UL) and AI 338 (ATEX / IECEx).
• Alternative certification options available: DNV Marine Approval

Features
• Provides 360° armour grounding which is fully Inspectable.
• Grounding Device remains in contact with cable when disassembled for inspection.
• Provides a barrier seal between the individual insulated conductors within the cable and prevents entry of the products of an explosion into the cable.
• Assembly of the cable gland compresses and distributes the compound evenly to effect a barrier seal at the point of entry into the enclosure.
• Provides an outer deluge seal to prevent moisture ingress to the cable armour and enclosure. Deluge seal is coloured red to indicate Hazardous Location product.
• Provides a cable retention and low smoke and fume, zero halogen seal onto the cables outer jacket.
• Manufactured in Brass (standard), Nickel Plated Brass, 316 Stainless Steel or Aluminium.
• Brass NPT entries are nickel plated as standard.

Ordering Information
Format for ordering is as follows:

<table>
<thead>
<tr>
<th>Cable Gland / Connector Type</th>
<th>Size</th>
<th>Thread</th>
</tr>
</thead>
<tbody>
<tr>
<td>711</td>
<td>C</td>
<td>1” NPT</td>
</tr>
</tbody>
</table>

Two part sealing compound and assembly instructions are supplied with the cable gland.