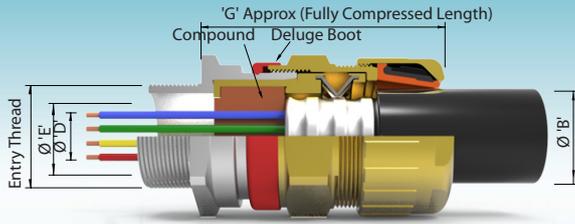


# 711 (& 713)

# 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**

Size Ref.	Entry Thread Size		Cable Acceptance Details						'G'	Hexagon Dimensions	
	NPT Standard or Option	Metric *	Inner Jacket / Cores			Outer Jacket 'B'		Across Flats		Across Corners	
			Max. Over Cores 'D'	Armour Jacket 'E'		Max. No. of Cores	Min.				Max.
				Min.	Max.						
A	½" or ¾"	M20	0.43"	0.41"	0.64"	10	0.49"	0.81"	2.44"	1.18"	1.28"
B	¾" or 1"	M25	0.64"	0.49"	0.93"	21	0.66"	1.02"	2.68"	1.42"	1.56"
C	1" or 1¼"	M32	0.86"	0.85"	1.23"	42	0.87"	1.30"	2.76"	1.81"	1.99"
C2	1¼" or 1½"	M40	1.04"	1.17"	1.59"	60	1.10"	1.61"	2.96"	2.17"	2.36"
D	2" or 1½"	M50	1.46"	1.37"	1.96"	80	1.42"	2.07"	3.18"	2.56"	2.79"
E	2½" or 2"	M63	1.88"	1.76"	2.55"	100	1.81"	2.57"	3.21"	3.15"	3.46"
F	3" or 2½"	M75	2.32"	2.29"	2.98"	120	2.24"	3.07"	3.54"	3.74"	4.09"
H <sup>1</sup>	3½"	M90	2.79"	2.93"	3.47"	120	3.07"	3.52"	4.33"	4.18"	4.84"

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

<sup>1</sup> 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  $\text{Ex} \text{II} 2 \text{GD}$  and Restricted Breathing ExnR  $\text{Ex} \text{II} 3 \text{G}$ .
- 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.
- Construction and Test Standards: UL 2225, IEC/EN 60079-0, IEC/EN 60079-1, IEC/EN 60079-7, IEC/EN 60079-15 and IEC/EN 60079-31
- 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 ABS 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:

Cable Gland / Connector Type	Size	Thread
711	C	1" NPT

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