

# Cable Glands

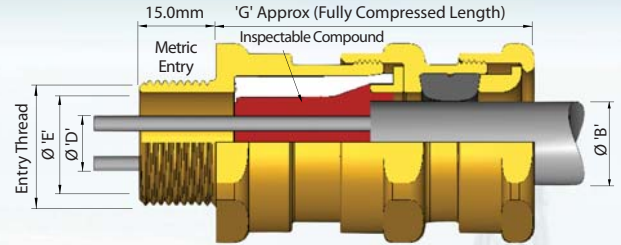
## Hazardous Area

Flameproof Exd & Increased Safety Exe  
Dual Certified ATEX / IECEx

# ICG 623

### Application

- Outdoor or indoor use.
- For use with non-armoured elastomer and plastic insulated cables.
- For particular use with:-
  - Cables that are not effectively filled, compact and/or circular, have tape bedding or have hygroscopic fillers.
  - Cables that exhibit 'Cold Flow' characteristics.
  - Enclosures containing an ignition source in gas group IIC areas or containing an ignition source in a Zone 1 area and exceeding 2 litres in volume.
- See technical section for installation rules and regulations.



**CABLE GLAND SELECTION TABLE**

Size Ref.	Entry Thread Size		Cable Acceptance Details							'G'	Hexagon Dimensions	
	Metric	NPT *	Inner Sheath / Cores			Outer Sheath 'B'					Across Flats	Across Corners
			'D' Max. Over Cores	'E' Max Inner Sheath	Max. No. of Cores	Standard Seal		Alternative Seal (S)				
Min.	Max.	Min.	Max.									
Os	M20	½"	8.0	8.0	6	3.0	8.0	-	-	56.4	24.0	26.5
O	M20	½"	8.9	10.0	6	7.5	11.9	-	-	56.4	24.0	26.5
A	M20	¾" or ½"	11.0	12.5	10	11.0	14.3	8.5	13.4	55.8	30.0	32.5
B	M25	1" or ¾"	16.2	18.4	21	13.0	20.2	9.5	15.4	58.8	36.0	39.5
C	M32	1¼" or 1"	21.9	24.7	42	19.0	26.5	15.5	21.2	62.0	46.0	50.5
C2	M40	1½" or 1¼"	26.3	29.7	60	25.0	32.5	22.0	28.0	64.5	55.0	60.6
D	M50	2" or 1½"	37.1	41.7	80	31.5	44.4	27.5	34.8	72.8	65.0	70.8
E	M63	2½" or 2"	47.8	53.5	100	42.5	56.3	39.0	46.5	77.0	80.0	88.0
F	M75	3" or 2½"	59.0	66.2 / 65.3 <sup>1</sup>	120	54.5	68.2	48.5	58.3	80.7	95.0	104.0

All dimensions in millimetres (except \* where dimensions are in inches). Metric entry threads are 1.5mm pitch as standard, 15mm length of thread.

<sup>1</sup> Smaller value is applicable when selecting reduced NPT entry option.

### Technical Data

- Flameproof Exd and Increased Safety Exe  $\text{Ex} \text{II} 2 \text{GD} \text{ExtD} \text{A}21$ .
- Certificate No's: Baseefa06ATEX0058X and IECEx BAS 06.0015X.
- Suitable for use in Zone 1, Zone 2, Zone 21, Zone 22 and in Gas Groups IIA, IIB and IIC.
- Construction and Test Standards: IEC/EN 60079-0, IEC/EN 60079-1, IEC/EN 60079-7, IEC/EN 61241-0 and IEC/EN 61241-1.
- 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: -60°C to +80°C.
- Assembly Instruction Sheet: AI 305.
- Alternative certification options available:



### Features

- Provides a barrier seal between the individual insulated cores 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 create a barrier seal at the point of entry into the enclosure.
- The compound chamber may be separated from the cured compound to ensure that the chamber has been effectively filled. If required, external voids can be repaired.
- Provides a cable retention seal onto the cables outer sheath.
- 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: Alternative Seal (S), add suffix S to ordering information.

Cable Gland Type	Size	Thread	(Optional)	Cable Gland Type	Size	Thread	(Optional)
ICG 623	C	M32	S	ICG 623	C	1 ¼" NPT	S

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