

**Application**

- Mining.
- For use with pliable wire armoured cable.
- 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.
- 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 * Standard or Option	Inner Sheath / Cores			Outer Sheath 'B'		Pliable Wire Armour 'C'		Across Flats	Across Corners
			Max. Over Cores 'D'	Max Inner Sheath 'E'	Max. No. of Cores	Min.	Max.				
O	M20	½"	8.9	10.0	12	9.5	16.0	7 x 0.45	64.5	24.0	26.5
A	M20	¾" or ½"	11.0	12.5	15	12.5	20.5	7 x 0.45	65.3	30.0	34.6
B	M25	1" or ¾"	16.2	18.4	30	16.9	26.0	7 x 0.45	71.6	36.0	41.6
C	M32	1¼" or 1"	21.9	24.7	42	22.0	33.0	7 x 0.45	75.8	46.0	53.1
C2	M40	1½" or 1¼"	26.3	29.7	60	28.0	41.0	7 x 0.71	82.7	55.0	63.5
D	M50	2" or 1½"	37.1	41.7	80	36.0	52.6	7 x 0.71	92.1	65.0	75.1
E	M63	2½" or 2"	47.8	53.5	100	46.0	65.3	7 x 1.25	92.9	80.0	92.4
F	M75	3" or 2½"	59.0	66.2 / 65.3 <sup>1</sup>	120	57.0	78.0	7 x 1.25	99.0	95.0	109.6

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 Exdb and Increased Safety Exeb I M2.
- Certificate No's: Baseefa08ATEX0329X and IECEx BAS 08.0115X.
- Suitable for use in Mines.
- Construction and Test Standards: IEC/EN 60079-0, IEC/EN 60079-1 and IEC/EN 60079-7.
- Ingress Protection: IP66, IP67 and IP 68\* (30 metres for 7 days) to IEC/EN 60529.
- Operating Temperature Range: -60°C to +80°C.
- Assembly Instruction Sheet: AI 346.

\* Additional installation procedures required.

**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 armour clamping for pliable wire armour.
- Provides a cable retention and low smoke and fume, zero halogen seal onto the cables outer sheath.
- Manufactured in Brass (standard), Nickel Plated Brass or 316 Stainless Steel.
- Brass NPT entries are nickel plated as standard.

**Ordering Information**

Format for ordering is as follows:

Cable Gland Type	Size	Thread	Material
653/T	C	M32	Brass
653/T	C	1 ¼" NPT	Brass

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

