

ABG Barrier Gland

IP66/67

The ABG is a range of compound seal cable glands for use in Zone 1 and 21 hazardous areas. They are suitable for use with single wire armour (W), wire braided (X) and screened flexible wire braid cables.

Dual stamped as Ex d and Ex e the ABG is designed to be used with:

- Enclosures containing an ignition source.
- Cable inner sheaths that are not effectively filled or have hygroscopic fillers.
- Cable types that exhibit cold flow.



Standard Specifications

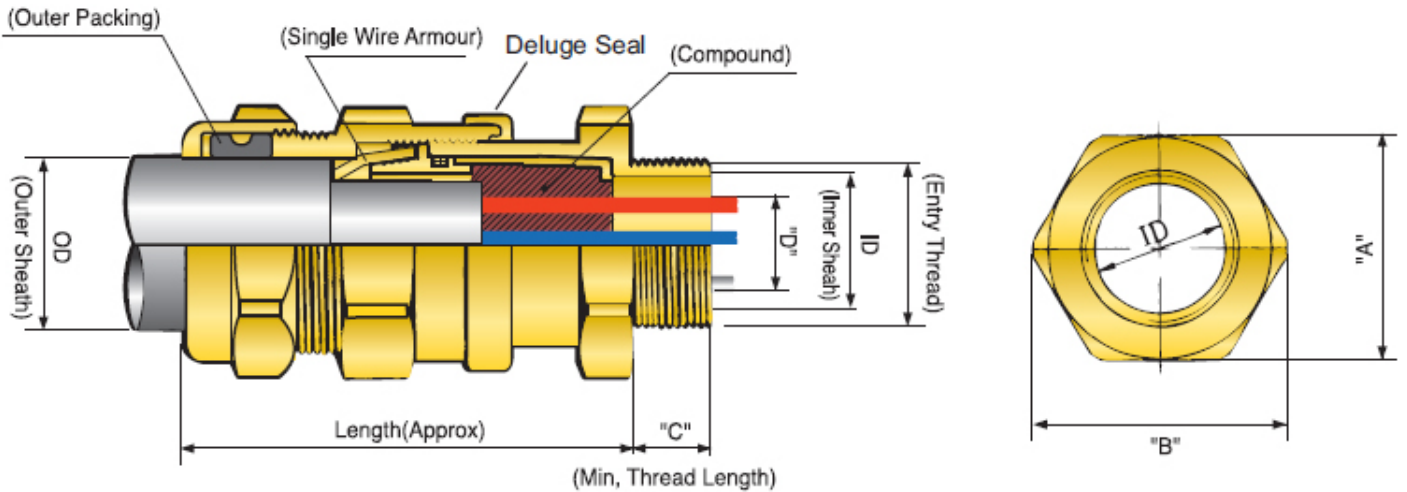
Gland Type	Compound Barrier Gland
Ingress Protection	IP66/67 to IEC529
Ambient Range	-60°C to +100°C
Material	Nickle Plated Brass or Stainless Steel
Entry Thread Types	Metric or NPT
Ambient Temp Rating	-60°C to +100°C
Cable Type	Single wire armour, Wire braid, Steel tape, Screened flexible wire braid
Certification	
Area Classification	Zone 1 & 21, Gas and Dust
Type of Protection	Ex e (Increased Safety), Ex d (Flameproof)
Apparatus Coding	Ex d IIC Gb, Ex e IIC Gb, Ex tb IIIC Db
Certificate Number	ATEX: Baseefa 16ATEX0004X / IECEx: BAS 16.0011X

Accessories

ABLNxxx	Lock Nut
ABWxxx	Sealing Washer
ABSWxxx	Serrated Washer
EAETxxx	Earth Tag
CAABSDxxx	PVC Shroud

xxx – denotes respective gland size for example ABLN20A for use with GDM20aABG gland

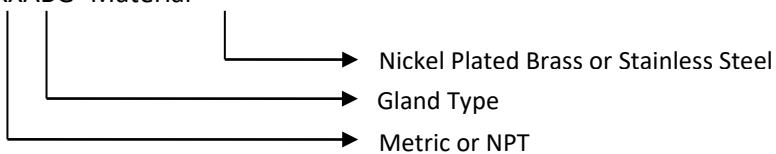
Dimensions



Cable Gland Size	Entry Thread		Cable Acceptance Range							Hex Dimensions		Thread Length	
	Metric	NPT	Inner Sheath/Cores			Outer Sheath		Armour Type		Flats (A)	Corners (B)	Metric (C)	NPT (C)
			D Max Over Cores	ID Max O/Cores	Max No. Of Cores	OD Min	OD Max	W Min/Max	X Min/Max				
20aABG	M20	½"	8.9	10.0	6	7.0	12.0	0.9/1.25	0/0.7	24.0	26.8	15	20
20bABG	M20	½"	8.9	10.0	6	11.0	16.0	0.9/1.25	0/0.7	24.0	26.8	15	20
20dABG	M20	½"	11.0	12.5	10	14.3	20.0	0.9/1.25	0/0.7	30.0	33.5	15	20
		¾"											20
25ABG	M25	¾"	16.5	18.3	21	18.5	26.0	1.25/1.6	0/0.7	36.0	40.5	15	20
		1"											25
32ABG	M32	1"	22.0	24.5	42	24.0	33.0	1.6/2.0	0/0.7	45.8	51.2	15	25
		1 ¼"											25.6
40aABG	M40	1 ¼"	26.5	29.5	60	28.0	35.0	1.6/2.0	0/0.7	55.0	61.5	15	25.6
		1 ½"											26
40ABG	M40	1 ¼"	26.5	29.5	60	30.0	41.0	1.6/2.0	0/0.7	55.0	61.5	15	26
		1 ½"											27
50aABG	M50	1 ½"	37.0	41.7	80	36.0	45.0	1.8/2.5	0/1.0	65.0	72.8	15	26
		2"											27
50ABG	M50	1 ½"	37.0	41.7	80	42.0	52.6	1.8/2.5	0/1.0	65.0	72.8	15	26
		2"											27
63aABG	M63	2"	47.8	53.5	100	46.0	56.0	1.8/2.5	0/1.0	80.0	89.5	15	27
		2 ½"											40
63ABG	M63	2"	47.8	53.5	100	52.0	65.5	1.8/2.5	0/1.0	80.0	89.5	15	27
		2 ½"											40

How to Order

GDXXABG- Material



GDM20AABGNP = 20aABG Gland with M20 metric thread in Nickel Plated Brass

GD321ABGSS = ABG-32 Gland with 1" NPT thread in Stainless Steel