

# Peppers Cable Glands Limited

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## Cable Gland:- Type A8F



A8F type glands provide a single pull resistant seal on the outer sheath of unarmoured flat cable. A8F type glands maintain Flameproof Exd and Increased Safety Exe methods of explosion protection and IP68 to 25 metres.

<b>COMPLIANCE STANDARD</b>	EN 60079-0, EN 60079-1, EN 60079-7, EN 61241-0, EN 61241-1, IEC 60079-0, IEC 60079-1, IEC 60079-7, IEC 61241-0 & IEC 61241-1																				
<b>CERTIFICATION</b>	ATEX II 2 GD, E Exd IIC / E Exe II GOST R-Exd IIC/Exe II IECEx Ex d IIC / Ex e II NEPSI Exd IIC / Exe II																				
<b>CERTIFICATE</b>	SIRA 01ATEX1270X - Ex Notified Body No. 0518 POCC GB MЛ14.B00030 IECEx SIR 05.0020X NEPSI GYJ06185X																				
<b>GLAND MARKING (EXAMPLE)</b>	Exd IIC/Exe II/Ex tD A21 IP6 A8F/20/M20 Peppers GU15 3BT UK MЛ14 IEC Ex SIR 05.0020X Sira 01ATEX1270X Ex II 2 GD EExd IIC/EEExe II																				
<b>APPLICATION</b>	<p><b>EExd Equipment</b>                      A8F type glands will only maintain Flameproof Exd integrity when used with cable that has a suitable profile and is compact with extruded bedding. The cable shall be deemed to be effectively filled. Ref: IEC60079-14:2002 Section 10.4.2</p> <table border="1"> <thead> <tr> <th>Gas Group</th> <th>Internal Ignition Source</th> <th>Enclosure Volume</th> <th>Which Zone</th> <th>Use A8F Gland</th> </tr> </thead> <tbody> <tr> <td>IIC, IIB, IIA</td> <td>NO</td> <td>Any</td> <td>Zone 1 or 2</td> <td>YES</td> </tr> <tr> <td>IIB, IIA</td> <td>YES</td> <td>Any</td> <td>Zone 2</td> <td>YES</td> </tr> <tr> <td>IIB, IIA</td> <td>YES</td> <td>2 litres or less</td> <td>Zone 1</td> <td>YES</td> </tr> </tbody> </table> <p><b>EExe Equipment</b> Gas Group II, Zones 1 and 2</p> <p><b>Other Equipment</b> Ignitable Dust, Zones 21 and 22</p>		Gas Group	Internal Ignition Source	Enclosure Volume	Which Zone	Use A8F Gland	IIC, IIB, IIA	NO	Any	Zone 1 or 2	YES	IIB, IIA	YES	Any	Zone 2	YES	IIB, IIA	YES	2 litres or less	Zone 1
Gas Group	Internal Ignition Source	Enclosure Volume	Which Zone	Use A8F Gland																	
IIC, IIB, IIA	NO	Any	Zone 1 or 2	YES																	
IIB, IIA	YES	Any	Zone 2	YES																	
IIB, IIA	YES	2 litres or less	Zone 1	YES																	
<b>INGRESS PROTECTION</b>	IP68 @ 25 metres																				
<b>MATERIALS</b>	Brass CZ121 (A8F) 316 Stainless Steel (A8SF) Outer sheath seal material: Silicone, red or white																				
<b>OPTIONS</b>	<b>THREADS</b>	ISO Metric; NPT; NPS; ISO Pipe Thread (BSP Taper, BSP Parallel); PG																			
	<b>PLATING</b>	Zinc (ZP); Nickel (NP); Tin (TP); Electroless Nickel (EN)																			
<b>OPERATING TEMPERATURES</b>	-60°C to +180°C																				
<b>ACCESSORIES</b>	Locknut - Brass (ACBLN); 316 Stainless Steel (ACSLN) Earth Tag - Brass (ACBET), 316 Stainless Steel (ACSET) IP Washer - Nylon (ACNSW); Red Fibre (ACFSW) Serrated Lock Washer - 316 Stainless Steel (ACSSW), Galvanised Steel (ACGSW)																				

EXAMPLE PART NUMBER	Sample: <b>A8F /ZP/20S/M20</b> <b>A8F:</b> A8F - Gland type and body material (Brass) <b>ZP</b> - Zinc plating <b>20s</b> - Gland size with regards to cable acceptance range <b>M20</b> - Entry thread
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Gland Size	Entry Threads	Entry Thread Length [B]	Max Across Corners [A]	Gland Seal Range Cable Outer Sheath [D]			
				Width		Thickness	
	Metric			Min	Max	Min	Max
20s	M20	16	26.5	6.3	11.7	4.0	7.0
20R	M20	16	33.0	8.1	13.5	5.8	6.2
20	M20	16	33.0	10.3	13.5	5.6	9.0

All Dimensions are in Millimetres

**NOTES:**

- Suitable only for fixed installations. The cable must be clamped near the gland to prevent pulling and twisting
- Gland Size does not necessarily equate to the entry thread size
- Integral entry thread seal option is not available for glands with tapered entry threads. IP washers can be supplied if required
- Please note that dimensions (A) and (B) may differ for glands with non-Metric entry threads. Please refer to our thread data tables for specific dimensions
- Unless otherwise stated ISO Metric entry threads have a 1.5mm pitch
- For Flameproof Exd applications the female thread into which the gland is to be fitted must comply with clause 5.3 of EN 50018:2000 (clause 5.3 IEC 79-1) and an engagement of at least 5 full threads must be achieved for parallel threads and should be achieved for tapered threads
- Where A8F type glands are fitted into non-metallic Increased Safety Exe enclosures they must be included within the earth circuit of the system
- The user should seek expert advice if intending to combine flammable gases and combustible dusts in one environment/installation
- Full assembly instructions are supplied with glands, the instructions must be read prior to installation and adhered to in full

<http://www.cableglands.com>