Peppers Cable Glands Limited

Facsimile: +44 (0) 1276 691752



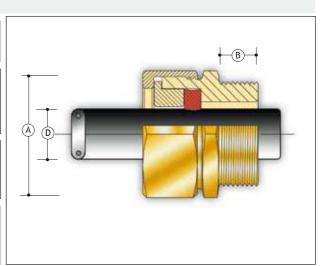




Cable Gland: - Type A8F

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.

COMPLIANCE STANDARD	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		
CERTIFICATION	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		
CERTIFICATE	SIRA 01ATEX1270X - Ex Notified Body No. 0518 POCC GB MЛ14.B00030 IECEX SIR 05.0020X NEPSI GYJ06185X		
GLAND MARKING (EXAMPLE)	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/EExe II		



APPLICATION				

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

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

EExe Equipment Other Equipment

Earth Tag - Brass (ACBET), 316 Stainless Steel (ACSET) IP Washer - Nylon (ACNSW); Red Fibre (ACFSW)

Gas Group II. Zones 1 and 2 Ignitable Dust, 7ones 21 and 22

Serrated Lock Washer - 316 Stainless Steel (ACSSW), Galvanised Steel (ACGSW)

			Gas Group II, Zones 1 and 2 ignitable bust, Zones 21 and 22		
INGRESS PROTECTION		N	IP68 @ 25 metres		
	MATERIALS		Brass CZ121 (A8F) 316 Stainless Steel (A8SF) Outer sheath seal material: Silicone, red or white		
	OPTIONS THREADS		ISO Metric; NPT; NPS; ISO Pipe Thread (BSP Taper, BSP Parallel); PG		
		PLATING	Zinc (ZP); Nickel (NP); Tin (TP); Electroless Nickel (EN)		
	OPERATING TEMPERATURES		-60°C to +180°C		
	ACCESSORIES		Locknut - Brass (ACBLN); 316 Stainless Steel (ACSLN)		

ibemo Kazakhstan - 090301 Republic of Kazakhstan, West Kazakhstan Oblast, Aksai, Pramzone, BKKS office complex Phone: +7 71133 93077; Fax: +7 71133 93074; E-Mail: info@ibemo-kz.com
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EXAMPLE PART NUMBER

Sample: A8F /ZP/20S/M20

A8F:

A8F - Gland type and body material (Brass)

ZP - Zinc plating

20s - Gland size with regards to cable acceptance range

M20 - Entry thread



Gland Size	Entry Threads	Entry Max Thread Across Length Corners	Across	Gland Seal Range Cable Outer Sheath [D]			
			Corners	Wio	dth	Thic	kness
	Metric	[B]	[A]	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
- In order to maintain an IP rating greater than IP54, when used in a clearance hole, a suitable IP washer is required.
- Peppers supplies cable glands with parallel entry threads which conform to the flameproof threaded joint requirements of IEC 60079-1 and other equivalent standards. They usually incorporate a thread run out according to the available machining techniques, and will not have a full-form thread for the entire length. Peppers will not be held responsible for clients' installations where this has not been taken into account.

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