

Peppers Cable Glands Limited





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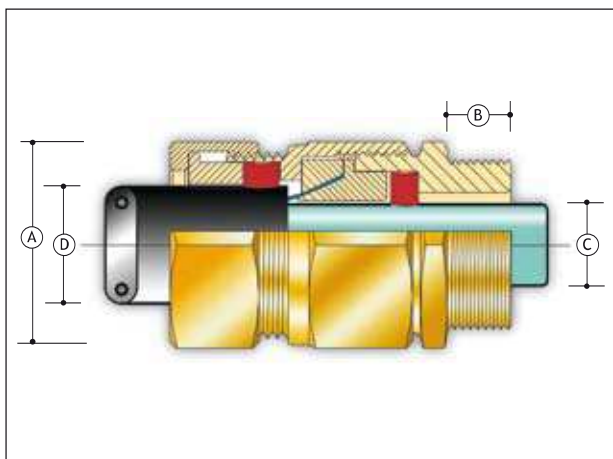


Cable Gland:- Type E8XF



E8XF type glands provide pull resistant seals on the inner and outer sheath and a braid armour clamp. The armour clamp provides an electrical bond between the cable armour and the gland. E8XF type glands maintain Flameproof Exd and Increased Safety Exe methods of explosion protection and IP66.

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 E8XF/20/M20 Peppers GU15 3BT UK MЛ14 IEC Ex SIR 05.0020X Sira 01ATEX1270X Ex II 2 GD EExd IIC/EEExe II																					
APPLICATION	<p>EExd Equipment E8XF 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 E8XF Gland</th> </tr> </thead> <tbody> <tr> <td>IIC, IIB, IIA</td> <td>NO</td> <td>2 litres or less</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>EExe Equipment Gas Group II, Zones 1 and 2</p> <p>Other Equipment Ignitable Dust, Zones 21 and 22</p>		Gas Group	Internal Ignition Source	Enclosure Volume	Which Zone	Use E8XF Gland	IIC, IIB, IIA	NO	2 litres or less	Zone 1 or 2	YES	IIB, IIA	YES	Any	Zone 2	YES	IIB, IIA	YES	2 litres or less	Zone 1	YES
Gas Group	Internal Ignition Source	Enclosure Volume	Which Zone	Use E8XF Gland																		
IIC, IIB, IIA	NO	2 litres or less	Zone 1 or 2	YES																		
IIB, IIA	YES	Any	Zone 2	YES																		
IIB, IIA	YES	2 litres or less	Zone 1	YES																		
INGRESS PROTECTION	IP66																					
MATERIALS	Brass CZ121 (E8XF) 316 Stainless Steel (E8XSF) Inner and Outer sheath seal material: Standard 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) 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: E8XF /ZP/20S/M20
E8XF:
 E8XF - 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 Thread Length [B]	Max Across Corners [A]	Max Protrusion Length	Gland Seal Range								Armour Acceptance Range
					Cable Inner Sheath [C]				Cable Outer Sheath [D]				
	Width				Thickness		Width		Thickness				
	Min				Max	Min	Max	Min	Max	Min	Max		
Metric												X	
20s	M20	16	26.5	58.0	6.3	11.7	4.0	7.0	7.9	11.7	4.5	7.0	0.1-0.30
20R	M20	16	33.0	58.0	8.1	13.5	5.8	6.2	7.5	16.1	3.0	8.3	0.1-0.45
20	M20	16	33.0	58.0	10.3	13.5	5.6	9.0	11.0	13.5	4.5	9.0	0.1-0.30

All Dimensions are in Millimetres

NOTES:

- Gland Size does not necessarily equate to the entry thread size
- "X" refers to the wire diameter in a braided cable
- 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 E8XF 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.