

**Cable Gland Type A8CF** (Single Compression Gland designed for use with Unarmoured Flat Cables and featuring a Female Conduit Connection)

Ex d : Ex e : Ex nR : Ex ta : IP66 : IP68  
Class I Div 2 : AEx e : AEx ta

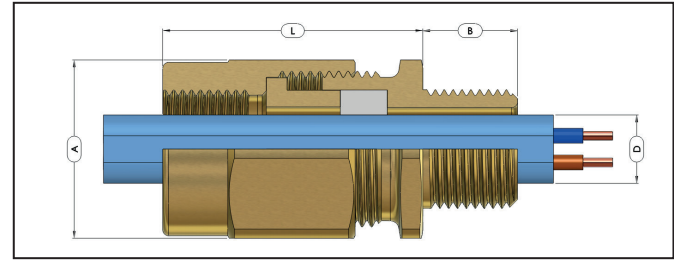
Part Numbers:

A	B	CF	B	F
			S	



"A8CF" type glands are certified Flameproof Ex d, Increased Safety Ex e, Restricted Breathing Ex nR and Dust Protected Ex ta. They are suitable for use in Zone 1 and 2 for Gas Groups IIA, IIB and IIC and additionally for use in Zones 20, 21 and 22 for Dust Groups IIIA, IIIB and IIC. Developed for flat cables, they provide controlled Ex d, IP sealing and have been tested to IP66 and IP68 to 50 metres. The "A8CF" version is designed to accommodate unarmoured cables where sealing and retention is required only on the outer sheath and additionally provides a female thread for the connection of conduit.

<b>Compliance Standards:</b>	EN 60079-0, EN 60079-1, EN 60079-7, EN 60079-15, EN 60079-31 IEC 60079-0, IEC 60079-1, IEC 60079-7, IEC 60079-31 & IEC 60529 UL514B, UL1203, UL2225, UL50E, ANSI/UL 60079-0/7 & ISA 60079-31
<b>Certification:</b>	ATEX II 1D 2G Ex d IIC Gb / Ex e IIC Gb / Ex ta IIIC Da II 3G Ex nR IIC Gc IECEX Ex d IIC Gb / Ex e IIC Gb / Ex ta IIIC Da NEC - USA Class I Zone 1 AEx e IIC Gb / Class II Zone 20 AEx ta IIIC Da (except size 25) Class II Division 1, Groups E, F & G Class III, Enclosure Type 4X EAC Exd IICU / Exe IIU / ExnR IIU INMETRO - Brazil Ex d IIC Gb / Ex e IIC Gb / Ex ta IIIC Da / Ex nR IIC Gc SAC - China Ex d IIC / Ex e IIC UKRAINE Ex d IIC X / Ex e II X CCoE - India Petroleum Rules 2002 (PESO) ABS Specified ABS Rules LLOYD'S Enclosure Systems (Part 1B) RMRS Part XI of RS Rules for the classification & construction of sea-going ships (ed. 2014)



**Example Part Numbering** A8CFBFM20/NP/20/M20  
(See below for details)

<b>A</b>	Gland designed for use with Unarmoured Cables	
<b>B</b>	Silicone Seal for Flat Cables	
<b>CF</b>	Female Conduit Connection Thread	
<b>B</b>	Brass (B) / Stainless Steel (S)	
<b>F</b>	Multiple Certification	
<b>M20</b>	M20 x 1.5 Female Conduit Connection Thread	
<b>L</b>	Locknut (material dictated by gland entry thread material)	
<b>N</b>	Including IP Washer, Nylon (N) - Fibre (V) - PTFE (H)	
<b>T</b>	Including Earth Tag	
<b>S</b>	Including Serrated Washer	
<b>1</b>	Quantity per kit	
<b>NP</b>	Nickel Plated	
<b>20</b>	Gland shell size	
<b>M20</b>	M20 x 1.5 Male Entry Thread	
<b>Optional Accessories</b>	Locknut	Brass (ACBLN) / Stainless Steel (ACSLN)
	Earth tag	Brass (ACBET) / Stainless Steel (ACSET)
	IP Washers	Nylon (ACNSW) / Fibre (ACFSW) / PTFE (ACPSW)
	Serrated Washers	Stainless Steel (ACSSW)

<b>Certificate No.</b>	ATEX SIRA 01ATEX1270X & SIRA 09ATEX1221X IECEX IECEX SIR 05.0020X NEC - USA CSA 2627370 EAC RU C-GB.F606.B.00098 INMETRO - Brazil NCC 13.2187 X SAC - China NEPSI GYJ16.1398X UKRAINE UA.TR.047.C.0408-13 & 2937 CCoE - India PESO P365300/2 & P365300/6 ABS 14-LD463991-1-PDA LLOYD'S 10/00056(E1) RMRS 14.02755.315
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**IP Rating:** P66 & IP68 (50 metres - 7 Days), Type 4X  
**Operating Temperature:** Silicone Seals -60°C to +180°C  
**Materials:** Brass or Stainless Steel  
**Plating:** Electroless Nickel

CABLE GLAND SELECTION TABLE													
Gland Size	Entry Thread Size		Metric Thread Length [B]	Connection Thread Options		Cable Outer Sheath [D]				Nominal Protrusion Length [L] (Metric)	Dimensions/Weight (Metric Versions)		
	Metric	NPT		Metric	NPT	Width		Thickness			Across Flats [A]	Across Corners	Weight Kgs
						Min	Max	Min	Max				
20S	M20 x 1.5	1/2" or 3/4"	16	M20 x 1.5	1/2" or 3/4"	6.3	11.7	4.0	7.0	45	30.0	33.0	0.174
20R	M20 x 1.5	1/2" or 3/4"	16	M20 x 1.5	1/2" or 3/4"	8.1	13.5	5.8	6.2	46	30.0	33.0	0.175
20	M20 x 1.5	1/2" or 3/4"	16	M20 x 1.5	1/2" or 3/4"	10.3	13.5	5.6	9.0	45	30.0	33.0	0.174
25	M25 x 1.5	3/4" or 1"	16	M25 x 1.5	3/4" or 1"	10.6	16.2	4.0	7.0	48	37.6	41.4	0.194

- Notes:
- Gland size does not necessarily equate to the entry thread size.
  - Dimensions (A) & (B) may differ for glands with non metric entry threads. Please refer to our "Thread Reference Tables" for specific dimensions.
  - Assembly instructions must be read prior to installation and adhered to in full.
  - Peppers supplies cable glands with parallel entry threads that conform to the flameproof threaded joint requirements of IEC/EN 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 Cable Glands Limited will not be held responsible for clients' installations where this has not been taken into account.
  - When selecting IP Washer material for use with glands, please be aware of the accessories temperature range to ensure they are suitable for the intended installation.
  - Where approval in addition to ATEX, IECEx and CSA is required, this must be clearly requested at time of enquiry / order.