

**Cable Gland Type D8X** - (Single Compression Gland designed for use with Armoured Flat Cable)

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

Part Numbers:

D	8	X	B	F
			S	



“D8X” 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 sealing and have been tested to IP66 and IP68 to 50 metres. The “D8X” version is designed to accommodate armoured cables, sealing on the inner sheath and also incorporates a detachable armour specific clamping system.

<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 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)

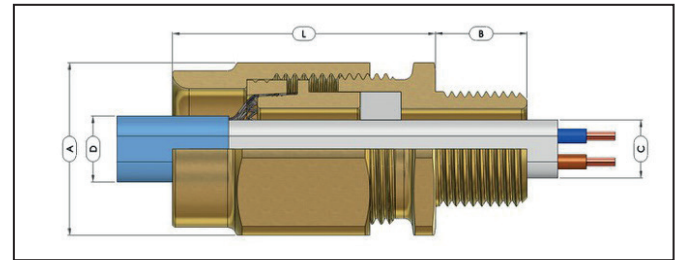
<b>Certificate No.</b>	ATEX SIRA 01ATEX1270X & SIRA 09ATEX1221X IECEx IECEx SIR 05.0020X NEC - USA CSA 2627370 EAC RU C-GB.Г506.В.00098 INMETRO - Brazil NCC 13.2187 X SAC - China NEPSI GYJ16.1398X UKRAINE UA.TR.047.C.0408-13 & 2937 CCoE - India PESO P365300/2 & P365300/6 ABS 14-LD463991-1-PDA LLOYD'S 10/00056(E1) RMRS 14.02755.315
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**IP Rating:** IP66 & IP68 (50 metres - 7 Days), Type 4X

**Operating Temperature:** Silicone Seals -60°C to +180°C

**Materials:** Brass or Stainless Steel

**Plating:** Electroless Nickel



**Example Part Numbering**  
(See below for details)

D8XBF/NP/20/050NPT

<b>D</b>	Gland designed for use with Armoured Cables	
<b>8</b>	Silicone Seal for flat cables	
<b>X</b>	Detachable Clamping for Braid Armour	
<b>B</b>	Brass (B) / Stainless Steel (S)	
<b>F</b>	Multiple Certification	
<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>050NPT</b>	1/2" NPT 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)

CABLE GLAND SELECTION TABLE														
Gland Size	Entry Thread Size		Metric Thread Length [B]	Cable Inner Sheath [C]				Cable Outer Sheath [D]		Armour Acceptance Range	Nominal Protrusion Length [L]	Dimensions/Weight (Metric Versions)		
				Width		Thickness		Width	Thickness			Across Flats [A]	Across Corners	Weight Kgs
	Metric	NPT		Min	Max	Min	Max	Max	Max					
20S	M20 x 1.5	1/2" or 3/4"	16	6.3	11.7	4.0	7.0	15.5	n/a	0.10-0.30	48	30.0	33.0	0.165
20R	M20 x 1.5	1/2" or 3/4"	16	8.1	13.5	5.8	6.2	20.5	n/a	0.10-0.30	49	30.0	33.0	0.166
20	M20 x 1.5	1/2" or 3/4"	16	10.3	13.5	5.6	9.0	20.5	n/a	0.10-0.30	48	30.0	33.0	0.165

All dimensions in mm

- 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.