## **Double Compression Gland for Armoured Flat Cable** featuring Dedicated Armour Clamping

Ex db : Ex eb : Ex nR : Ex ta : IP66 : IP68 : Class I Zone 1 : AEx eb : AEx ta



Gland designed for use with Armoured Cables Silicone Seals for flat cables Detachable Clamping for Braid Armour Brass (B) / Stainless Steel (S) Multiple Certification K-V-H Locknut & Nylon (K), Fibre (V) or PTFE (H) IP Washer Including Earth Tag SNOITAC Including Serrated Washer Quantity per kit ΝP Nickel Plated 20 Gland shell size 1/2"NPT Male Entry Thread

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)							

IP RATING:	IP66 & IP68 (50 metres - 7 Days), Type 4X							
OPERATING TEMP:	Silicone Seals -60°C to +180°C							
MATERIALS:	Brass or Stainless Steel							
PLATING:	Electroless Nickel							

## PRODUCT DESCRIPTION

"E8X" type glands are certified Flameproof Ex db, Increased Safety Ex eb, 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 IIIC. Also certified for Zone and Division installations for use with Marine Shipboard and Tray Cables under the NEC and CEC. Developed for flat cables, they provide controlled Ex db sealing and have been tested to IP66 and IP68 to 50 metres. The E8X version is designed to accommodate armoured cables, sealing on the inner and outer sheaths and also incorporates a detachable armour specific clamping system

## **COMPLIANCE STANDARDS:**

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 C22.2 (see certificate), CAN/CSA 60079-0/1/7/31 UL514B, UL1203, UL2225, UL50E, ANSI/UL 60079-0/7, ISA 60079-31

TION:	UKEX	II 1D 2G Ex db IIC Gb / Ex eb IIC Gb / Ex ta IIIC Da
•		II 3G Ex nR IIC Gc
RTIFIC,	ATEX	II 1D 2G Ex db IIC Gb / Ex eb IIC Gb / Ex ta IIIC Da
ERT		II 3G Ex nR IIC Gc
<u>.</u>	IECE	F., dt 110 Ot / F., -t 110 Ot / F., -B 110 O- / F., t- 111

ATEX II 1D 2G Ex db IIC Gb / Ex eb IIC Gb / E	x ta IIIC Da
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Ex db IIC Gb / Ex eb IIC Gb / Ex nR IIC Gc / Ex ta IIIC Da **IECE**x

CEC - Canada Ex db IIC Gb / Ex eb IIC Gb / Ex ta IIIC Da

> Class II Group E, F & G Class III Type 4X

Class I Zone 1 AEx eb IIC Gb / Zone 20 AEx ta IIIC Da NEC - USA

> Class II Group E, F & G Class III Type 4X

1Ex d IIC Gb X / 1Ex e IIC Gb X / 2Ex nR IIC Gc X / Ex ta IIIC Da X EAC

INMETRO - Brazil Ex db IIC Gb / Ex eb IIC Gb / Ex nR IIC Gc / Ex ta IIIC Da Ex d IIC Gb / Ex e IIC Gb / Ex nR IIC Gc / Ex tD A20 CCC - China

UKRAINE II 2G Ex db IIC Gb / II 2G Ex eb IIC Gb / II 3G Ex nR IIC Gc / II 1D Ex ta IIIC Da

CCoE - India Ex db IIC Gb / Ex eb IIC Gb / Ex nR IIC Gc / Ex ta IIIC Da

ABS Specified ABS Rules

LLOYD'S Ex db IIC Gb / Ex eb IIC Gb / Ex nR IIC Gc / Ex ta IIIC Da

RS - Russia Ex d IIC Gb / Ex e IIC Gb / Ex ta IIIC Da

UKEX CML 21UKEX1033X & CML 21UKEX4043X ATEX CML 19ATEX1346X & CML 19ATEX4109X

IECEX IECEx CML 19.0104X CEC - Canada CSA 1356011 CSA 1356011 NEC - USA

EAC RU C-GB.BH02.B.00693-18

INMETRO - Brazil NCC 13.2187 X CCC - China 2021312313000447 UKRAINE CLI 18.0321 X

PESO P494321/7 & P494321/13 CCoE - India

20-LD1944057-PDA ABS LLOYD'S LR2124442TA 19.00189.278 RS - Russia

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**EXAMPLE PART NUMBERING** E8XBF/NP/20/050NPT

Gland Size	Entry Thread Size		Metric Thread Length	Cable Inner Sheath [C]			Cable Outer Sheath [D]						Dimensions/Weight			
				Width		Thickness		Width		Thickness		Armour Acceptance	Nominal Protrusion	(Metric Versions)		
	Metric	NPT	[B]	Min	Max	Min	Max	Min	Max	Min	Max	Range	Length [L]	Across Flats [A]	Across Corners	Weight (Kgs)
205	M20 x 1.5	1/2" or 3/4"	16	6.3	11.7	4.0	7.0	7.9	11.7	4.5	7.0	0.10-0.30	63	30.0	33.0	0.212
20R	M20 x 1.5	1/2" or 3/4"	16	8.1	13.5	5.8	6.2	10.7	16.1	5.4	8.3	0.10-0.30	64	30.0	33.0	0.213
20	M20 x 1.5	1/2" or 3/4"	16	10.3	13.5	5.6	9.0	11.0	13.5	4.5	9.0	0.10-0.30	63	30.0	33.0	0.212

- 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 supply products with parallel entry threads that conform to the flameproof threaded joint requirements of IEC/EN 60079-1 and other equivalent standards. We usually incorporate a thread run out according to general machining techniques and parts 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.
- Nhen selecting IP Washer & Shroud 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 UKEX, ATEX, IECEx and CSA is required, this must be clearly requested at time of enquiry / order