

Peppers Cable Glands Limited

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Cable Gland Type *8 - (for Armoured & Unarmoured Flat Cables)

Ex d : Ex e : Ex nR : Ex tD A21 : IP66 : IP68

Part Numbers (Armoured):

E	8	X	B	F
			S	



Part Numbers (Unarmoured):

A	8	B	F
		S	



E8 & A8 type glands, certified Flameproof Ex d, Increased Safety Ex e & Restricted Breathing Ex nR are suitable for use in Zone 1, Zone 2, Zone 21, Zone 22 and in Gas Groups IIA, IIB and IIC. Developed for flat cables they provide controlled Ex d, IP sealing and have been tested to IP66 and IP68 to 25 metres. The A8 version is designed to accommodate unarmoured cables whilst the E8 features an environmental seal on the outer sheath and a detachable armour specific clamping system.

Compliance Standard: EN 60079-0, EN 60079-1, EN 60079-7, EN 60079-15, EN 61241-0, EN 61241-1
 IEC 60079-0, IEC 60079-1, IEC 60079-7, IEC 61241-0, IEC 61241-1 & IEC 60529

Certification: ATEX II 2 GD Ex d IIC / Ex e II / Ex tD A21
 II 3 G Ex nR II
 IECEx Ex d IIC / Ex e II / Ex tD A21
 GOST-R Ex d IICU / Ex e IIU
 NEPSI Ex d IIC / Ex e II
 INMETRO BR - Ex d IIC / Ex e II / Ex nR II / Ex tD A21
 ABS 1-1-4/7.7, 4.8-3/1.7, 4.8-3/13 and 4-8-4/27.5
 MODU Rules 4-3-3/9
 LLOYD'S Enclosure Systems (Part 1B)
 RMRS Part XI of Rules for sea-going ships (ed.2008)

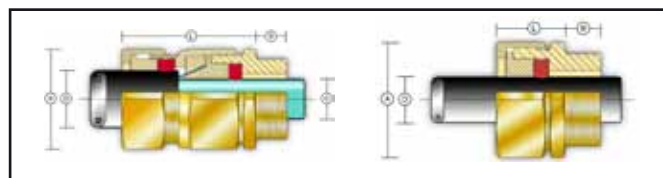
Certificate No. ATEX SIRA 01ATEX1270X & SIRA 09ATEX1221X
 IECEx SIR 05.0020X
 GOST-R POCC GB.F506.B00853
 NEPSI GYJ06185X
 INMETRO NCC 5880/09 X
 ABS 09-LD463991-PDA
 LLOYD'S 10/00056
 RMRS 09.00784.011

IP Rating: IP66 & IP68 (25 metres - 30 minutes)

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

Materials: Brass, Stainless Steel

Plating: Nickel - Zinc



Example Part Numbering E8XBF/20R/M20
 (See below for details) A8BF/20/M20

E	Armoured Cables (E) - Unarmoured Cables (A)
8	Silicone for flat cables (8)
X	Braid Armour (X)
B	Brass (B) / Stainless Steel (S)
F	Multiple Certification
NP	Nickel Plated (NP) - Zinc Plated (ZP)
20R	Gland shell size
M20	M20 x 1.5 Entry Thread

Optional Accessories	Locknut	Brass (ACBLN) / Stainless Steel (ACSLN)
	Earth tag	Brass (ACBET) / Stainless Steel (ACSET)
	IP Washers	Nylon (ACNSW) / Fibre (ACFSW)
	Serrated Washers	Stainless Steel (ACSSW)

CABLE GLAND SELECTION TABLE - E8XBF for Armoured Cables																	
Gland Size	Entry Thread Size		ISO Thread Length [B]	Cable Inner Sheath [C]				Cable Outer Sheath [D]				Armour Acceptance Range	Nominal Protrusion Length [L]	Dimensions/Weight (Metric Versions)			Metric Thread Shroud Size
				Width		Thickness		Width		Thickness				Across Flats	Across Corners [A]	Weight Kgs (Metric)	
	Metric	NPT		Min	Max	Min	Max	Min	Max	Min	Max						
20S	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	58	30.0	33.0	0.196	L30
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	58	30.0	33.0	0.196	L30
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	58	30.0	33.0	0.207	L30

All dimensions in mm

CABLE GLAND SELECTION TABLE - A8BF for Unarmoured Cables													
Gland Size	Entry Thread Size		ISO Thread Length [B]	Cable Outer Sheath [D]				Nominal Protrusion Length [L]	Dimensions/Weight (Metric Versions)			Metric Thread Shroud Size	
				Width		Thickness			Across Flats	Across Corners [A]	Weight Kgs (Metric)		
	Metric	NPT		Min	Max	Min	Max						
20S	M20 x 1.5	1/2" or 3/4"	16	6.3	11.7	4.0	7.0	33	30.0	33.0	0.104	L30	
20R	M20 x 1.5	1/2" or 3/4"	16	8.1	13.5	5.8	6.2	33	30.0	33.0	0.104	L30	
20	M20 x 1.5	1/2" or 3/4"	16	10.3	13.5	5.6	9.0	33	30.0	33.0	0.103	L30	

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.
- * Where glands are fitted into non-metallic Ex e enclosures they must be included within the earth circuit of the system.
- * The user should seek expert advice if intending to combine flammable and combustible dust in one environment/installation.
- * 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 will not be held responsible for clients' installations where this has not been taken into account.
- * To maintain the specified IP rating, clearance holes must be in accordance with EN 50262 Table 1 and the entry device should be suitably secured.