

## Cable Gland Type E8XCM

(Double Compression Gland designed for use with Armoured Flat Cables featuring a Male Conduit Connection)

Ex d : Ex e : Ex nR : Ex ta : IP66 : IP68

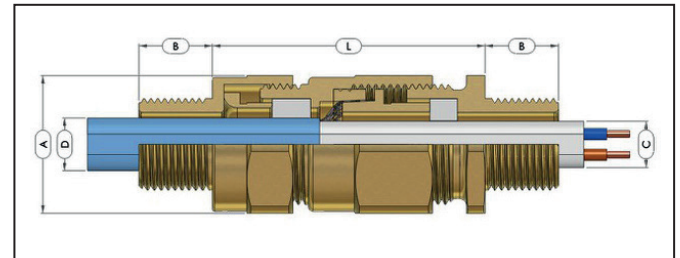
Part Numbers:

E	B	X	CM	B	F
				S	



"E8XCM" 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 IIIC. Developed for flat cables, they provide controlled Ex d sealing and have been tested to IP66 and IP68 to 50 metres. The "E8XCM" version is designed to accommodate armoured cables, sealing on the inner and outer sheaths and also incorporates a detachable armour specific clamping system. The gland features a male conduit connection thread as standard.

<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	
<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
	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
	CCoE - India	Petroleum Rules 2002 (PESO)
	LLOYD'S	Enclosure Systems (Part 1B)
<b>Certificate No.</b>	ATEX	SIRA 01ATEX1270X & SIRA 09ATEX1221X
	IECEX	IECEX SIR 05.0020X
	INMETRO - Brazil	NCC 13.2187 X
	SAC - China	NEPSI GYJ16.1398X
	CCoE - India	PESO P365300/2 & P365300/6
	LLOYD'S	10/00056(E1)
<b>IP Rating:</b>	IP66 & IP68 (50 metres - 7 Days)	
<b>Operating Temperature:</b>	Silicone Seals -60°C to +180°C	
<b>Materials:</b>	Brass or Stainless Steel	
<b>Plating:</b>	Electroless Nickel	



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

E8XCMBF050NPT/NP/20/M20

<b>E</b>	Gland designed for use with Armoured Cables	
<b>B</b>	Silicone Seals for flat cables	
<b>X</b>	Detachable Clamping for Braid Armour	
<b>CM</b>	Male Conduit Connection Thread	
<b>B</b>	Brass (B) / Stainless Steel (S)	
<b>F</b>	Multiple Certification	
<b>050NPT</b>	1/2"NPT Male 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)

### CABLE GLAND SELECTION TABLE

Gland Size	Entry Thread Size		Metric Thread Length [B]	Conduit Connection Thread		Cable Inner Sheath [C]				Cable Outer Sheath [D]				Armour Acceptance Range	Nominal Protrusion Length [L] (Metric)	Dimensions/Weight (Metric Versions)		
	Metric	NPT		Metric	NPT	Min	Max	Min	Max	Min	Max	Min	Max			Across Flats [A]	Across Corners	Weight Kgs (Metric)
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	7.9	11.7	4.5	7.0	0.10-0.30	63	30.0	33.0	0.230
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	10.7	16.1	5.4	8.3	0.10-0.30	64	30.0	33.0	0.231
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	11.0	13.5	4.5	9.0	0.10-0.30	63	30.0	33.0	0.230

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 is required, this must be clearly requested at time of enquiry / order.