



PRODUCT TYPE E8XCM

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

Ex db : Ex eb : Ex nR : Ex ta : IP66 : IP68

PART NUMBERS:

E	8	X	CM	B	F
					S

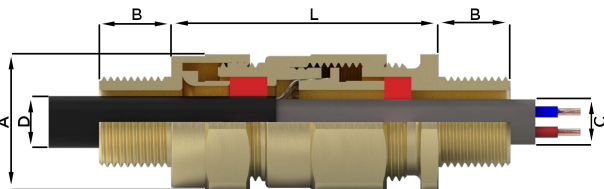


PRODUCT DESCRIPTION

"E8XCM" 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. 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.

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



REFERENCE NUMBER: 3.5.1

EXAMPLE PART NUMBERING:
A8CMBFM20/NP/20/M20

E	Gland designed for use with Armoured Cables
8	Silicone Seals for flat cables
X	Detachably Clamping for Braid Armour
CM	Male Conduit Connection Thread
B	Brass (B) / Stainless Steel (S)
F	Multiple Certification
050NPT	1/2"NPT Male Conduit Connection Thread
OPTIONS	L Locknut (material dictated by gland entry thread material)
	N Including IP Washer, Nylon (N) - Fibre (V) - PTFE (H)
	T Including Earth Tag
	S Including Serrated Washer
	1 Quantity per kit
NP	Nickel Plated
20	Gland shell size
M20	M20 x 1.5 Male Entry Thread

OPTIONAL ACCESSORIES:

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)
OPERATING TEMP:	Silicone Seals -60°C to +180°C
MATERIALS:	Brass or Stainless Steel
PLATING:	Electroless Nickel

CERTIFICATION:

ATEX	II 1D 2G Ex db IIC Gb / Ex eb IIC Gb / Ex ta IIIC Da II 3G Ex nR IIC Gc
IECEX	Ex db IIC Gb / Ex eb IIC Gb / Ex ta IIIC Da
EAC	1Ex d II Gb X / 1Ex e IIC Gb X / 2Ex nR IIC Gc X / Ex ta IIIC Da X
INMETRO – Brazil	Ex db IIC Gb / Ex eb IIC Gb / Ex ta IIIC Da / Ex nR IIC Gc
SAC – China	Ex d IIC Gb / Ex e IIC Gb
CCoE – India	Ex d IIC Gb (Zone 1) Ex e IIC Gb (Zone 2) Ex nR IIC Gc (Zone 2)
LLOYD'S	Ex d IIC Gb / Ex e IIC Gb / Ex nR IIC Gc / Ex ta IIIC Da

CERTIFICATION No:

ATEX	SIRA 01ATEX1270X & SIRA 09ATEX1221X
IECEX	IECEX SIR 05.0020X
EAC	TC RU C-GB.BH02.B.00693-18
INMETRO – Brazil	NCC 13.2187 X
SAC – China	NEPSI GYJ16.1398X
CCoE – India	PESO P365300/2 & P365300/6
LLOYD'S	10/00056(E1)

CABLE GLAND SELECTION TABLE (ALL DIMENSIONS IN mm)

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)		
	Metric	NPT		Metric	NPT	Width	Thickness	Width	Thickness	Width	Thickness	Width	Thickness			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

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.