Double Compression Gland for Armoured Flat Cable featuring a Male Conduit Connection

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



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. 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 "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. A termination suitable for EMC protection can be made using armoured cables with these glands.

COMPLIANCE STANDARDS:

CERTIFICATION:

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 UL5

2.2 (see certificate), CAN/CSA 60079-0/1/7/31 514B, UL1203, UL2225, UL50E, ANSI/UL 60079-0/7, ISA 60079-31							
	UKEX	II 1D 2G Ex db IIC Gb / Ex eb IIC Gb / Ex ta IIIC Da					
		II 3G Ex nR IIC Gc					
	ATEY	II 1D 2G Ex db IIC Gb / Ex eb IIC Gb / Ex ta IIIC Da					

II 3G Ex nR IIC Gc

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

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

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

1Ex db IIC Gb X / 1Ex eb 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 CCC - China Ex db IIC Gb / Ex eb IIC Gb / Ex nR IIC Gc / Ex ta IIIC Da

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

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 DNV Ex db IIC Gb / Ex eb IIC Gb / Ex nR IIC Gc / Ex ta IIIC Da

UKEX CML 21UKEX1033X & CML 21UKEX4043X CML 19ATEX1346X & CML 19ATEX4109X ATEX IECEx CML 19.0104X IECEX

CEC - Canada CSA 1356011 NEC - USA CSA 1356011

FAC RU C-GB.AЖ58.B.051063/24

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

CCoE - India PESO P494321/7 & P494321/13

ABS 20-I D1944057-PDA LR2124442TA LLOYD'S DNV TAE00004XK

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A O			U

Gland designed for use with Armoured Cables Silicone Seals for flat cables Detachable Clamping for Braid Armour СМ Male Conduit Connection Thread Brass (B) / Stainless Steel (S) Multiple Certification Locknut, Earth Tag & Nylon (K), Fibre (V) or PTFE (H) IP Washer K-V-H s Including Serrated Washer Quantity per kit 050NPT 1/2"NPT Male Conduit Connection Thread NP Nickel Plated 20 Gland shell size M20 x 1.5 Male Entry Thread

LOCKNUT (L)	Brass (ACBLN) / Stainless Steel (ACSLN)
EARTH TAG (T)	Brass (ACBET) / Stainless Steel (ACSET)
IP WASHERS	Nylon (N) / Fibre (J) / PTFE (Z)
SERRATED WASHERS	Stainless Steel (S)

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					

N TABLE	Gland Size	Entry Thre						
ECTIO	312e	Metric						
CABLE GLAND SELECTION TABLE (ALL DIMENSIONS IN mm)	20\$	M20 x 1.5	1/2					
CAB	20R	M20 x 1.5	1/2					

Gland Size	Entry Thread Size		Metric Thread Length	Conduit Connection Thread		Cable Inner Sheath [C]				Cable Outer Sheath [D]					Nominal	Dimensions/Weight (Metric Versions)		
						Width		Thickness		Width		Thickness		Armour Acceptance	Protrusion Length [L]	Differisions/ Weight (Fiether Versions)		
	Metric	NPT	[B]	Metric	NPT	Min	Max	Min	Max	Min	Max	Min	Max	Range	(Metric)	Across Flats [A]	Across Corners	Weight (Kgs)
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

- · 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
- · When 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

EXAMPLE PART NUMBERING: E8XCMBF050NPT/NP/20/M20