

Cable Gland Type A8CM (Single Compression Gland designed for use with Unarmoured Flat Cables and featuring a Male Conduit Connection)

Ex d : Ex e : Ex nR : Ex ta : IP66 : IP68
Class I Div 2 : AEx e : AEx ta

Part Numbers:

A	B	CM	B	F
			S	



"A8CM" 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, IP sealing and have been tested to IP66 and IP68 to 50 metres. The "A8CM" version is designed to accommodate unarmoured cables where sealing and retention is required only on the outer sheath and additionally provides a male thread for the connection of conduit.

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
UL514B, UL1203, UL2225, UL50E, ANSI/UL 60079-0/7 & ISA 60079-31

Certification: 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
NEC - USA Class I Zone 1 AEx e IIC Gb / Class II Zone 20 AEx ta IIIC Da
(except size 25) Class II Division 1, Groups E, F & G
Class III, Enclosure Type 4X
EAC Exd IICU / Exe IIU / ExnR IIU
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
UKRAINE Ex d IIC X / Ex e II X
CCoE - India Petroleum Rules 2002 (PESO)
ABS Specified ABS Rules
LLOYD'S Enclosure Systems (Part 1B)
RMRS Part XI of RS Rules for the classification & construction of sea-going ships (ed. 2014)

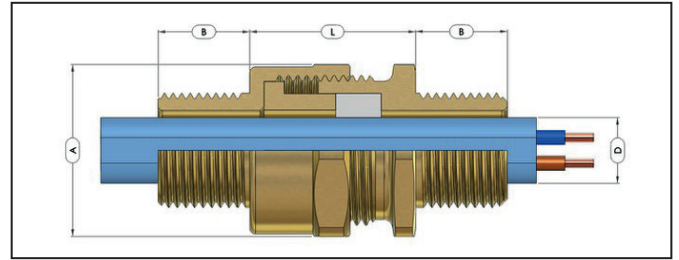
Certificate No. ATEX SIRA 01ATEX1270X & SIRA 09ATEX1221X
IECEX IECEX SIR 05.0020X
NEC - USA CSA 2627370
EAC RU C-GB.ГБ06.В.00098
INMETRO - Brazil NCC 13.2187 X
SAC - China NEPSI GYJ16.1398X
UKRAINE UA.TR.047.C.0408-13 & 2937
CCoE - India PESO P365300/2 & P365300/6
ABS 14-LD463991-1-PDA
LLOYD'S 10/00056(E1)
RMRS 14.02755.315

IP Rating: IP66 & IP68 (50 metres - 7 Days), Type 4X

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

Materials: Brass or Stainless Steel

Plating: Electroless Nickel



Example Part Numbering
(See below for details)

A8CMBFM20/NP/20/M20

A	Gland designed for use with Unarmoured Cables	
B	Silicone Seal for Flat Cables	
CM	Male Conduit Connection Thread	
B	Brass (B) / Stainless Steel (S)	
F	Multiple Certification	
M20	M20 x 1.5 Male Conduit Connection Thread	
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)

CABLE GLAND SELECTION TABLE													
Gland Size	Entry Thread Size		Metric Thread Length [B]	Connection Thread Options		Cable Outer Sheath [D]				Nominal Protrusion Length [L]	Dimensions/Weight (Metric Versions)		
	Metric	NPT		Metric	NPT	Width		Thickness			Across Flats [A]	Across Corners	Weight Kgs
						Min	Max	Min	Max				
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	31	30.0	33.0	0.132
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	32	30.0	33.0	0.133
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	31	30.0	33.0	0.132
25	M25 x 1.5	3/4" or 1"	16	M25 x 1.5	3/4" or 1"	10.6	16.2	4.0	7.0	31	37.6	41.4	0.280

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