

# Single Compression Gland for Armoured and Unarmoured Flat Cable, featuring a Rotating Flexible Metallic Conduit Connector

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

## PRODUCT TYPE A8RC



### PRODUCT DESCRIPTION

"A8RC" 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 db sealing and have been tested to IP66 and IP68 to 50 metres. The "A8RC" version is designed to accommodate unarmoured and armoured cables where sealing and retention is required only on the outer sheath. The gland features a rotating flexible metallic conduit connection.

### 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

### CERTIFICATION:

<b>UKEX</b>	II 1D 2G Ex db IIC Gb / Ex eb IIC Gb / Ex ta IIIC Da II 3G Ex nR IIC Gc
<b>ATEX</b>	II 1D 2G Ex db IIC Gb / Ex eb IIC Gb / Ex ta IIIC Da II 3G Ex nR IIC Gc
<b>IECEX</b>	Ex db IIC Gb / Ex eb IIC Gb / Ex nR IIC Gc / Ex ta IIIC Da
<b>EAC</b>	1Ex db IIC Gb X / 1Ex eb IIC Gb X / 2Ex nR IIC Gc X / Ex ta IIIC Da X
<b>INMETRO - Brazil</b>	Ex db IIC Gb / Ex eb IIC Gb / Ex nR IIC Gc / Ex ta IIIC Da
<b>CCC - China</b>	Ex db IIC Gb / Ex eb IIC Gb / Ex nR IIC Gc / Ex ta IIIC Da
<b>UKRAINE</b>	II 2G Ex db IIC Gb / II 2G Ex eb IIC Gb / II 3G Ex nR IIC Gc / II 1D Ex ta IIIC Da
<b>CCoE - India</b>	Ex db IIC Gb / Ex eb IIC Gb / Ex nR IIC Gc / Ex ta IIIC Da
<b>ABS</b>	Specified ABS Rule
<b>LLOYD'S</b>	Ex db IIC Gb / Ex eb IIC Gb / Ex nR IIC Gc / Ex ta IIIC Da
<b>DNV</b>	Ex db IIC Gb / Ex eb IIC Gb / Ex nR IIC Gc / Ex ta IIIC Da

### CERTIFICATION No:

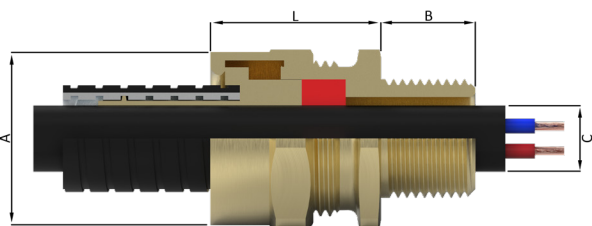
<b>UKEX</b>	CML 21UKEX1033X & CML 21UKEX4043X
<b>ATEX</b>	CML 19ATEX1346X & CML 19ATEX4109X
<b>IECEX</b>	IECEX CML 19.0104X
<b>EAC</b>	RU C-GB.AX58.B.051063/24
<b>INMETRO - Brazil</b>	NCC 13.2187 X
<b>CCC - China</b>	2021312313000447
<b>UKRAINE</b>	CLJ 18.0321 X
<b>CCoE - India</b>	PESO P494321/7 & P494321/13
<b>ABS</b>	20-LD1944057-PDA
<b>LLOYD'S</b>	LR2124442TA
<b>DNV</b>	TAE00004XK

### CABLE GLAND SELECTION TABLE (ALL DIMENSIONS IN mm)

Gland Size	Entry Thread Size		ISO Thread Length [B]	Cable Outer Sheath [D]				Typical Conduit Dia		Nominal Protusion Length [L]	Dimensions/Weight (Metric)		
	Metric	NPT		Width		Thickness		I/D	Max O/D		Across Flats [A]	Across Corners	Weight (Kgs)
				Min	Max	Min	Max						
20S-1	M20 x 1.5	1/2" or 3/4"	16	6.3	11.2	4.0	7.0	13.0	17.1	31	30.0	33.0	0.117
20S-2	M20 x 1.5	1/2" or 3/4"	16	6.3	11.7	4.0	7.0	15.0	19.3	31	30.0	33.0	0.125
20S-3	M20 x 1.5	1/2" or 3/4"	16	6.3	11.7	4.0	7.0	16.9	21.5	31	30.0	33.0	0.117
20-1	M20 x 1.5	1/2" or 3/4"	16	10.3	11.2	5.6	9.0	13.0	17.1	31	30.0	33.0	0.117
20-2	M20 x 1.5	1/2" or 3/4"	16	10.3	13.5	5.6	9.0	15.0	19.3	31	30.0	33.0	0.125
20-3	M20 x 1.5	1/2" or 3/4"	16	10.3	13.5	5.6	9.0	16.9	21.5	31	30.0	33.0	0.117
20R-1	M20 x 1.5	1/2" or 3/4"	16	8.1	11.2	5.8	6.2	13.0	17.1	32	30.0	33.0	0.118
20R-2	M20 x 1.5	1/2" or 3/4"	16	8.1	13.5	5.8	6.2	15.0	19.3	32	30.0	33.0	0.126
20R-3	M20 x 1.5	1/2" or 3/4"	16	8.1	13.5	5.8	6.2	16.9	21.5	32	30.0	33.0	0.118
*25-1	M25 x 1.5	3/4" or 1"	16	10.6	16.2	4.0	7.0	16.9	23.8	31	37.6	41.4	0.164
*25-2	M25 x 1.5	3/4" or 1"	16	10.6	16.2	4.0	7.0	18.7	24.8	31	37.6	41.4	0.175
*25-3	M25 x 1.5	3/4" or 1"	16	10.6	16.2	4.0	7.0	21.1	26.8	31	37.6	41.4	0.178
*25-4	M25 x 1.5	3/4" or 1"	16	10.6	16.2	4.0	7.0	20.7	27.8	31	37.6	41.4	0.185

### 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 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.
- It is the installer's responsibility to ensure that the conduit is secured correctly.
- If fit testing is required for specific conduit please contact Peppers.
- Where approval in addition to UKEX, ATEX and IECEX is required, this must be clearly requested at time of enquiry / order.
- Size 25 is not covered for RS applications.



### EXAMPLE PART NUMBERING: A8RCBF/NP/20-1/M20

<b>A</b>	Gland designed for use with Unarmoured Cables
<b>B</b>	Silicone Seal for Flat Cable
<b>RC</b>	Rotating Metallic Flexible Conduit Connector
<b>B</b>	Brass (B) / Stainless Steel (S)
<b>F</b>	Multiple Certification
<b>K-V-H</b>	Locknut & Nylon (K), Fibre (V) or PTFE (H) IP Washer
<b>T</b>	Including Earth Tag
<b>S</b>	Including Serrated Washer
<b>1</b>	Quantity per kit
<b>NP</b>	Nickel Plated
<b>20-1</b>	Gland shell size
<b>M20</b>	M20 x 1.5 Male Entry Thread

### OPTIONAL ACCESSORIES:

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

<b>IP RATING:</b>	IP66 & IP68 (50 metres - 7 Days)
<b>OPERATING TEMP:</b>	Silicone Seals -60°C to +180°C
<b>MATERIALS:</b>	Brass or Stainless Steel
<b>PLATING:</b>	Electroless Nickel