



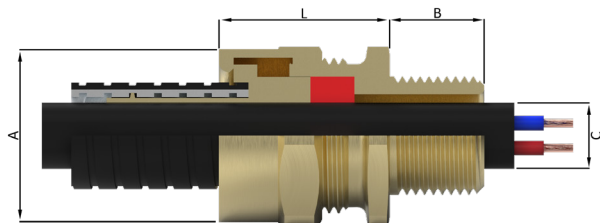
# PRODUCT TYPE A8RC

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

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

### PART NUMBERS:

A	8	RC	B	F
			S	



### 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

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

<b>A</b>	Gland designed for use with Unarmoured Cables
<b>8</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>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>20-1</b>	Gland shell size
<b>M20</b>	M20 x 1.5 Male Entry Thread

OPTIONAL ACCESSORIES:

<b>LOCKNUT</b>	Brass (ACBLN) / Stainless Steel (ACSLN)
<b>EARTH TAG</b>	Brass (ACBET) / Stainless Steel (ACSET)
<b>IP WASHERS</b>	Nylon (ACNSW) / Fibre (ACFSW) / PTFE (ACPSW)
<b>SERRATED WASHERS</b>	Stainless Steel (ACSSW)

<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

CERTIFICATION:

<b>ATEX</b>	II 1D 2G Ex db IIC Gb / Ex eb IIC Gb / Ex ta IIC Da II 3G Ex nR IIC Gc
<b>IECEX</b>	Ex db IIC Gb / Ex eb IIC Gb / Ex ta IIIC Da
<b>EAC</b>	1Ex d IIC Gb X / 1Ex e 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>SAC - China</b>	Ex d IIC Gb / Ex e IIC Gb
<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 d IIC Gb (Zone 1) Ex e IIC Gb (Zone 2) Ex nR IIC Gc (Zone 2)
<b>LLOYD'S</b>	Ex d IIC Gb / Ex e IIC Gb / Ex nR IIC Gc / Ex ta IIIC Da

CERTIFICATION No:

<b>ATEX</b>	SIRA 01ATEX1270X & SIRA 09ATEX1221X
<b>IECEX</b>	IECEX SIR 05.0020X
<b>EAC</b>	RU C-GB.BH02.B.00693-18
<b>INMETRO - Brazil</b>	NCC 13.2187 X
<b>SAC - China</b>	NEPSI GYJ16.1398X
<b>UKRAINE</b>	CLJ 18.0321 X
<b>CCoE - India</b>	PESO P365300/2 & P365300/6
<b>LLOYD'S</b>	10/00056(E1)

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 Protrusion Length [L]	Dimensions/Weight (Metric)		
	Metric	NPT		Width		Thickness		I/D	Max O/D		Across Flats [A]	Across Corners	Weight (Kgs)
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

- \*\* Size 25mm is only currently ATEX, IECEX, INMETRO, EAC and Ukraine certified.
- 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. 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.
- 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 ATEX and IECEX is required, this must be clearly requested at time of enquiry / order.