

Cable Gland Type A8RC - (Single Compression Gland for use with Unarmoured Flat Cable, featuring a Rotating Flexible Metallic Conduit Connector)

Ex d : Ex e : Ex nR : Ex ta : IP66 : IP68

Part Numbers:

A	8	RC	B	F
			S	



"A8RC" 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 sealing and have been tested to IP66 and IP68 to 50 metres. The "A8RC" version is designed to accommodate unarmoured 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:

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
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
CCoE - India	Petroleum Rules 2002 (PESO)
LLOYD'S	Enclosure Systems (Part 1B)

Certificate No.

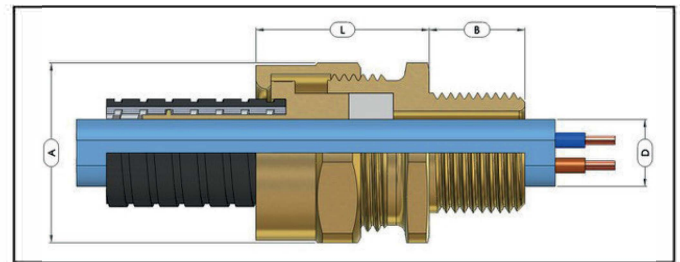
ATEX	SIRA 01ATEX1270X & SIRA 09ATEX1221X
IECEX	IECEX SIR 05.0020X
INMETRO - Brazil	NCC 13.2187 X
SAC - China	NEPSI GYJ16.1398X
CCoE - India	PESO P365300/2 & P365300/6
LLOYD'S	10/00056(E1)

IP Rating: IP66 & IP68 (50 metres - 7 Days)

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

Materials: Brass or Stainless Steel

Plating: Electroless Nickel



Example Part Numbering
(See below for details)

A8RCBF/NP/20-1/M20

A	Gland designed for use with Unarmoured Cables	
8	Silicone Seal for Flat Cable	
RC	Rotating Metallic Flexible Conduit Connector	
B	Brass (B) / Stainless Steel (S)	
F	Multiple Certification	
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	
20-1	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		Cable Outer Sheath [D]				Typical Conduit Dia		Nominal Protusion Length [L]	Dimensions/Weight (Metric)		
			Width		Thickness					Across Flats [A]	Across Corners	Weight Kgs
	Metric	NPT	Min	Max	Min	Max	I/D	Max O/D				
20S-1	M20 x 1.5	1/2" or 3/4"	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"	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"	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"	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"	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"	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"	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"	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"	8.1	13.5	5.8	6.2	16.9	21.5	32	30.0	33.0	0.118
25-1	M25-1.5	3/4" or 1"	10.6	16.2	4.0	7.0	16.9	23.8	31	37.6	41.4	0.164
25-2	M25-1.5	3/4" or 1"	10.6	16.2	4.0	7.0	18.7	24.8	31	37.6	41.4	0.175
25-3	M25-1.5	3/4" or 1"	10.6	16.2	4.0	7.0	21.1	26.8	31	37.6	41.4	0.178
25-4	M25-1.5	3/4" or 1"	10.6	16.2	4.0	7.0	20.7	27.8	31	37.6	41.4	0.185

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.
 - 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.